

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059317.D
 Acq On : 20 Nov 2019 10:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 11:07:26 AM

Quant Time: Nov 21 06:17:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 06:09:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	332378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	514972	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	461522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	222047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	180430	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
35) Dibromofluoromethane	7.57	113	151003	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
50) Toluene-d8	10.08	98	553161	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	
62) 4-Bromofluorobenzene	12.40	95	209715	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	279099	65.591	ug/l	99
3) Chloromethane	2.04	50	316670	60.748	ug/l	100
4) Vinyl Chloride	2.17	62	336807	62.755	ug/l	100
5) Bromomethane	2.54	94	176721	59.673	ug/l	99
6) Chloroethane	2.68	64	168103	57.390	ug/l	99
7) Trichlorofluoromethane	3.00	101	329761	57.057	ug/l	99
8) Diethyl Ether	3.38	74	140833	59.605	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	210613	59.595	ug/l	99
10) Methyl Iodide	3.92	142	270025	61.479	ug/l	100
11) Tert butyl alcohol	4.74	59	235411	294.834	ug/l	99
12) 1,1-Dichloroethene	3.71	96	207653	57.886	ug/l	98
13) Acrolein	3.58	56	67148	92.127	ug/l	98
14) Allyl chloride	4.29	41	397506	59.316	ug/l	100
15) Acrylonitrile	4.95	53	615094	291.360	ug/l	100
16) Acetone	3.79	43	635369	355.324	ug/l	100
17) Carbon Disulfide	4.02	76	657424	58.452	ug/l	100
18) Methyl Acetate	4.29	43	347366	58.535	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	703415	60.710	ug/l	99
20) Methylene Chloride	4.52	84	234982	58.266	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	223270	58.726	ug/l	96
22) Diisopropyl ether	5.92	45	769765	61.007	ug/l	99
23) Vinyl Acetate	5.86	43	3071972	309.607	ug/l	100
24) 1,1-Dichloroethane	5.82	63	430407	60.603	ug/l	99
25) 2-Butanone	6.81	43	870841	313.191	ug/l	100
26) 2,2-Dichloropropane	6.80	77	365855	59.492	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	253437	59.083	ug/l	100
28) Bromochloromethane	7.17	49	84152	30.072	ug/l	100
29) Tetrahydrofuran	7.18	42	559664	291.090	ug/l	100
30) Chloroform	7.35	83	406743	59.044	ug/l	99
31) Cyclohexane	7.63	56	400796	57.076	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	348506	58.854	ug/l	99
36) 1,1-Dichloropropene	7.77	75	325426	61.213	ug/l	99
37) Ethyl Acetate	6.90	43	339189	59.365	ug/l	99
38) Carbon Tetrachloride	7.75	117	310223	60.955	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	395016	61.618	ug/l	100
40) Benzene	8.02	78	963275	61.735	ug/l	99
41) Methacrylonitrile	7.15	41	156561m	61.726	ug/l	
42) 1,2-Dichloroethane	8.10	62	315442	61.127	ug/l	100
43) Isopropyl Acetate	8.14	43	539722	61.810	ug/l	100
44) Trichloroethene	8.82	130	240721	60.873	ug/l	100
45) 1,2-Dichloropropane	9.10	63	259199	62.296	ug/l	98
46) Dibromomethane	9.19	93	155838	61.062	ug/l	99
47) Bromodichloromethane	9.39	83	320857	62.776	ug/l	99
48) Methyl methacrylate	9.18	41	246402	62.053	ug/l	99
49) 1,4-Dioxane	9.18	88	80397	1347.171	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1664790	325.726	ug/l	100
52) Toluene	10.15	92	584209	62.268	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	369468	62.184	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	404182	62.690	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	227908	62.477	ug/l	98
56) Ethyl methacrylate	10.42	69	361940	58.365	ug/l	99
57) 1,3-Dichloropropane	10.70	76	397824	62.572	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	443243	200.929	ug/l	100
59) 2-Hexanone	10.74	43	1252430	334.649	ug/l	100
60) Dibromochloromethane	10.90	129	245300	63.814	ug/l	100
61) 1,2-Dibromoethane	11.00	107	236998	62.440	ug/l	100
64) Tetrachloroethene	10.63	164	211063	59.130	ug/l	99
65) Chlorobenzene	11.43	112	608738	61.342	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	224706	62.329	ug/l	100
67) Ethyl Benzene	11.51	91	1120721	63.251	ug/l	100
68) m/p-Xylenes	11.62	106	838256	127.318	ug/l	100
69) o-Xylene	11.95	106	398680	63.251	ug/l	99
70) Styrene	11.96	104	646393	64.992	ug/l	99
71) Bromoform	12.13	173	175440	64.257	ug/l #	100
73) Isopropylbenzene	12.25	105	1077499	59.237	ug/l	99
74) N-amyl acetate	12.07	43	445005	60.874	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	343117	57.023	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	302768m	59.021	ug/l	
77) Bromobenzene	12.53	156	253143	57.377	ug/l	98
78) n-propylbenzene	12.59	91	1261562	61.228	ug/l	100
79) 2-Chlorotoluene	12.67	91	742651	58.722	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	919418	60.128	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	127057	61.949	ug/l	96
82) 4-Chlorotoluene	12.77	91	763276	58.322	ug/l	100
83) tert-Butylbenzene	12.99	119	772165	59.792	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	899466	60.050	ug/l	99
85) sec-Butylbenzene	13.17	105	1037049	59.747	ug/l	100
86) p-Isopropyltoluene	13.29	119	947846	61.367	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	455610	57.988	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	451283	58.052	ug/l	99
89) n-Butylbenzene	13.62	91	834011	61.553	ug/l	99
90) Hexachloroethane	13.88	117	171334	58.573	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	443519	58.345	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68754	53.744	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	259100	54.519	ug/l	99
94) Hexachlorobutadiene	15.01	225	154763	56.508	ug/l	99
95) Naphthalene	15.13	128	681542	51.929	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	249527	53.628	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

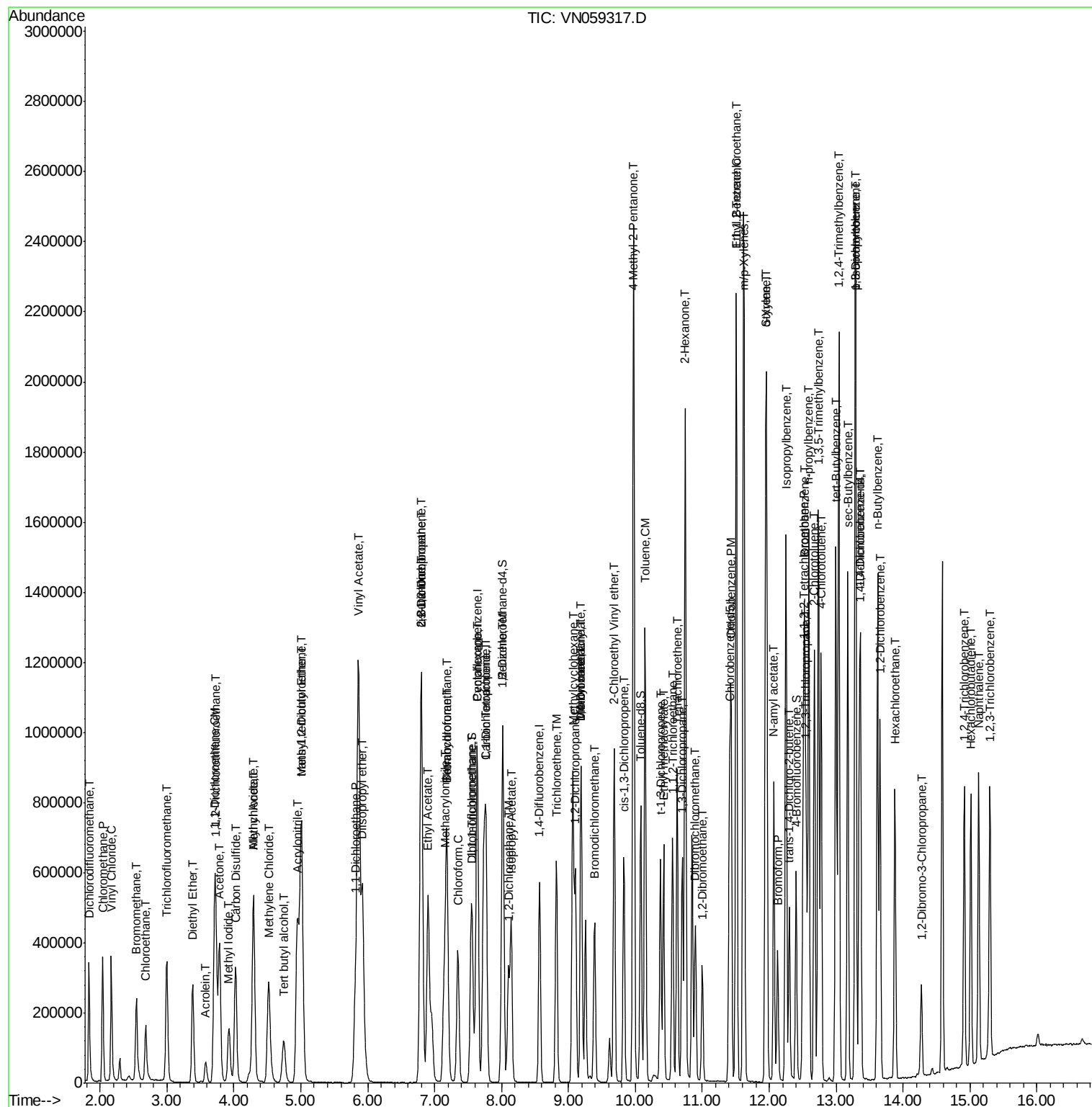
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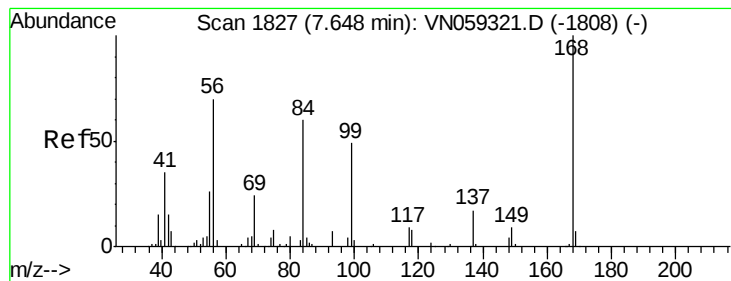
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 332378

Ion Ratio Lower Upper

168 100

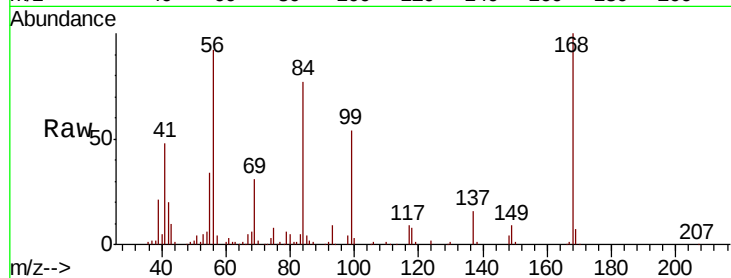
99 53.5 44.6 66.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

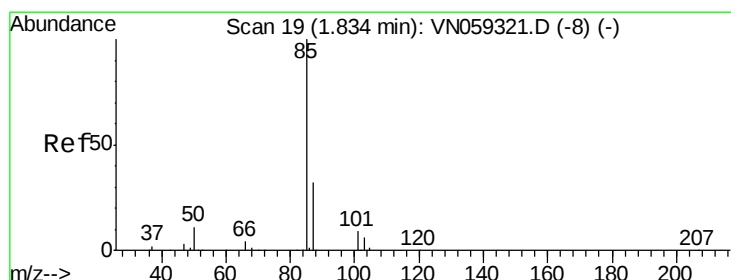
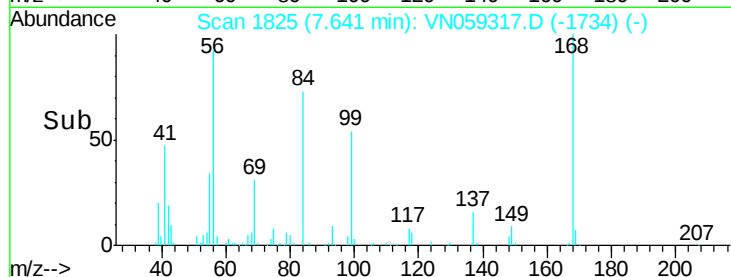
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 65.591 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059317.D

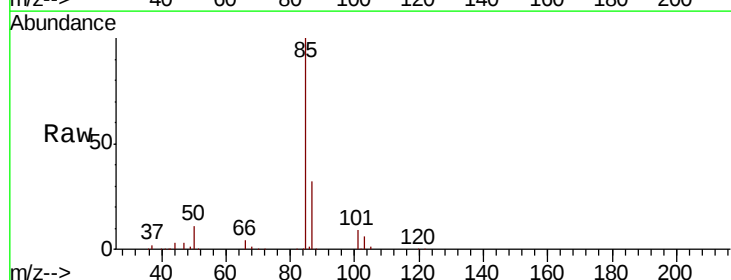
Acq: 20 Nov 2019 10:41

Tgt Ion: 85 Resp: 279099

Ion Ratio Lower Upper

85 100

87 31.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

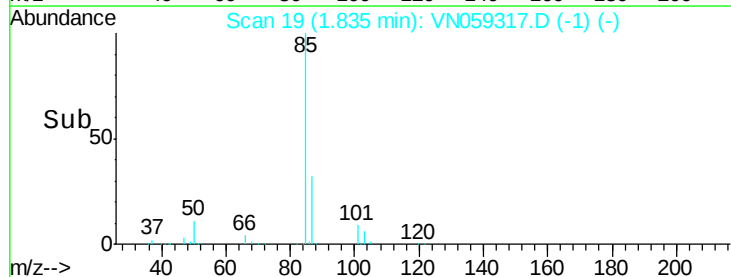
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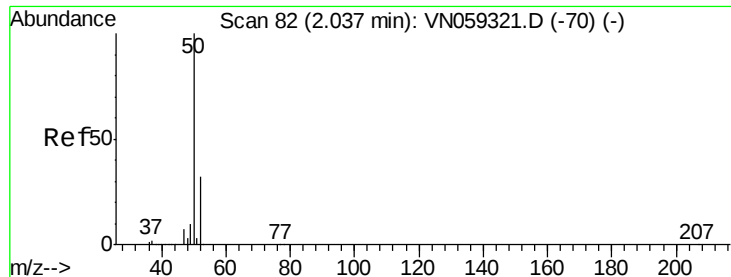
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 60.748 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 316670

Ion Ratio Lower Upper

50 100

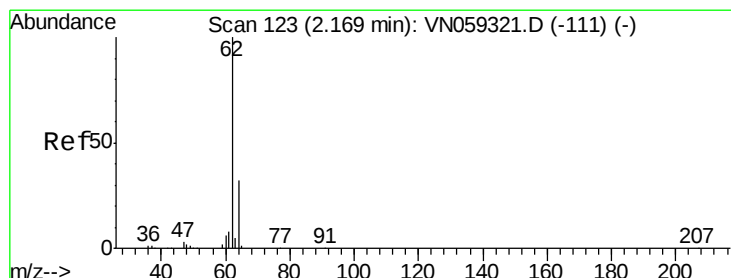
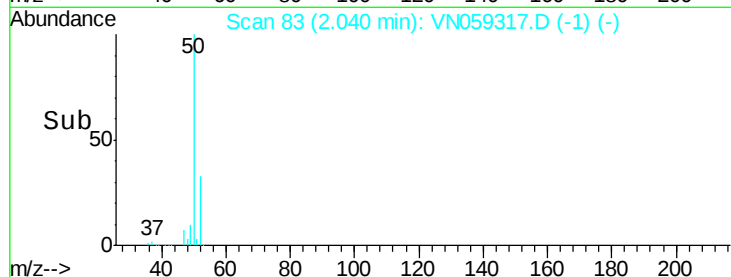
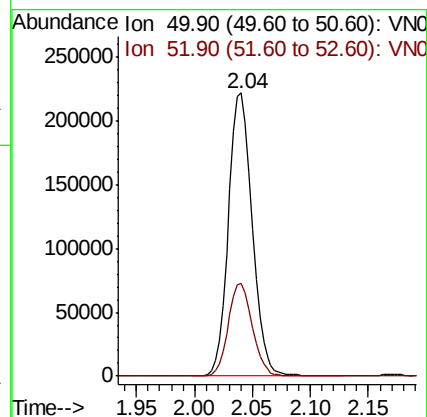
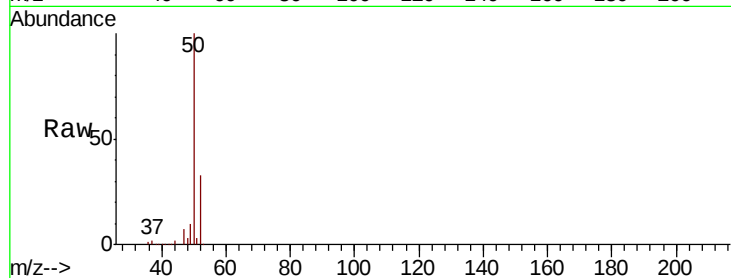
52 32.6 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 62.755 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059317.D

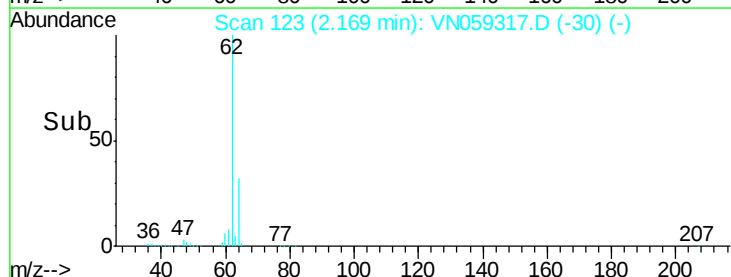
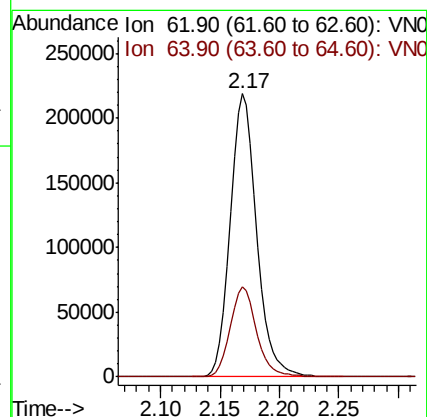
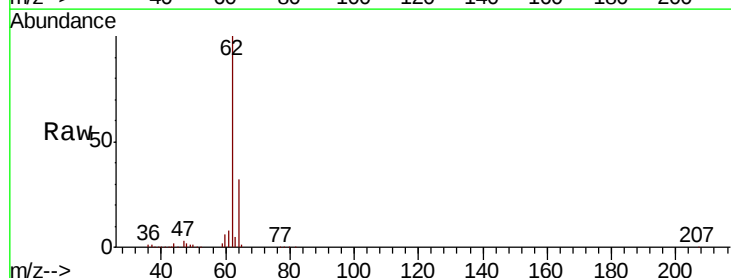
Acq: 20 Nov 2019 10:41

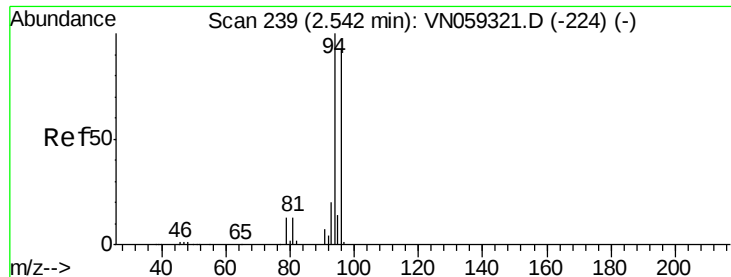
Tgt Ion: 62 Resp: 336807

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 59.673 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 176721

Ion Ratio Lower Upper

94 100

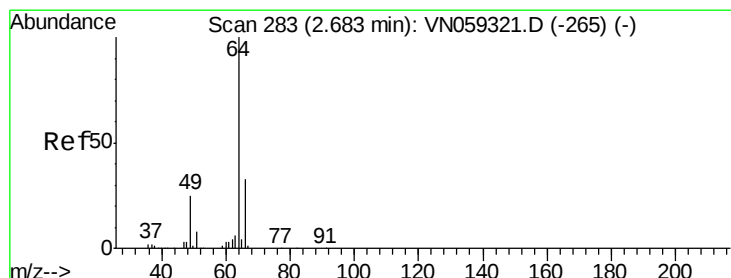
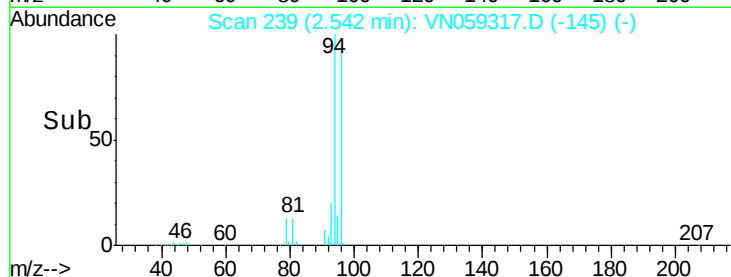
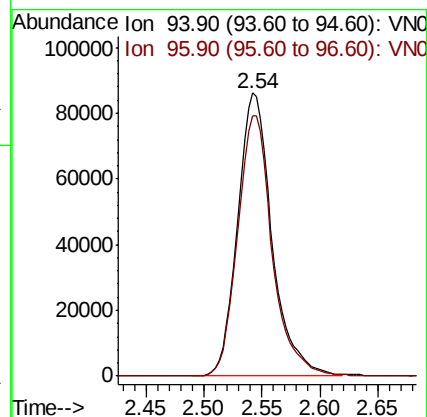
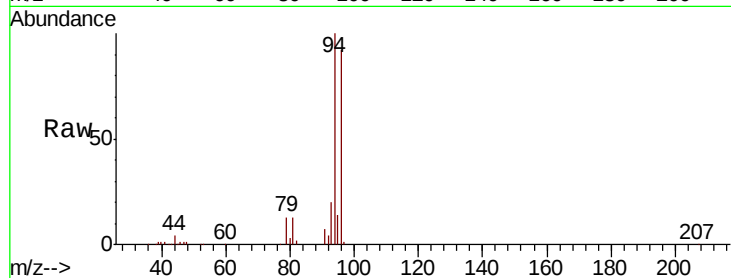
96 92.1 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 57.390 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059317.D

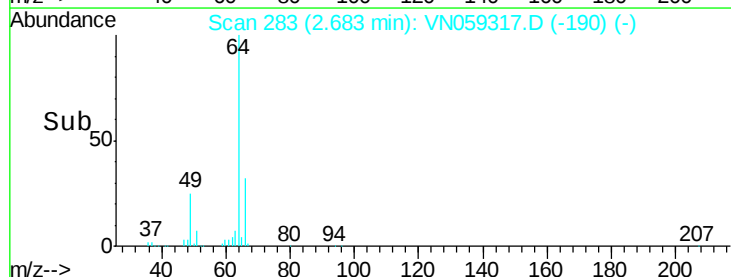
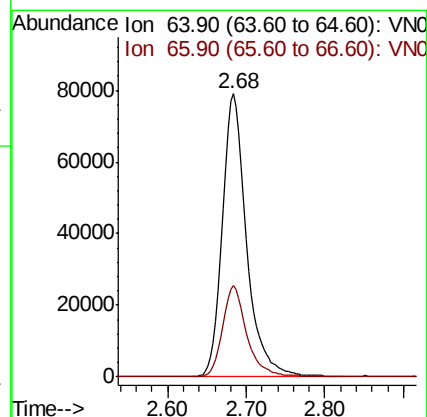
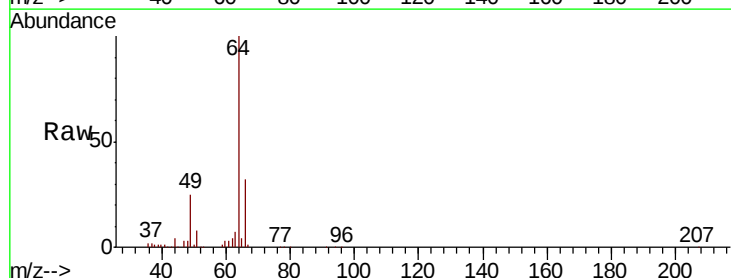
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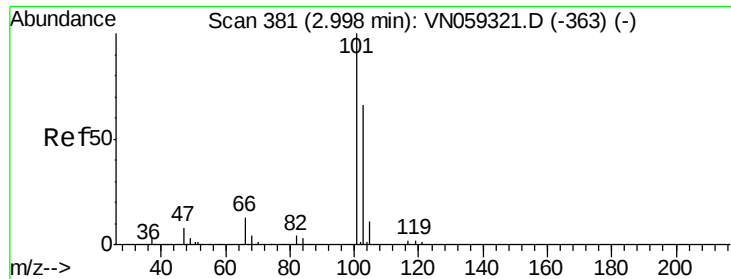
Tgt Ion: 64 Resp: 168103

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.2





#7

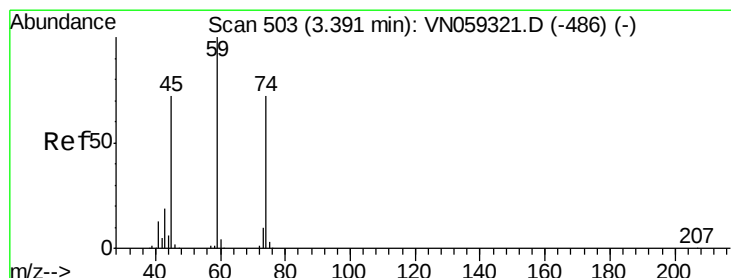
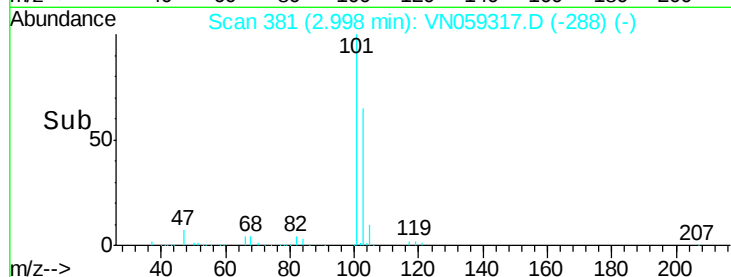
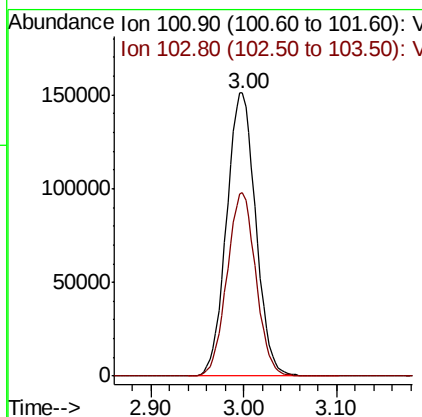
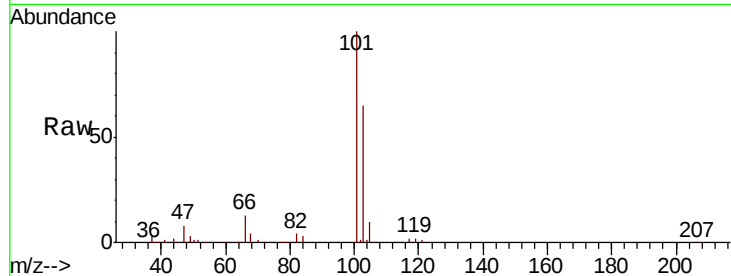
Trichlorofluoromethane
 Concen: 57.057 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059317.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		329761		
103	65.0	52.5	78.7		

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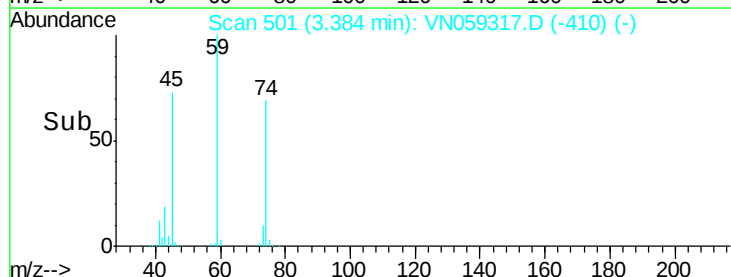
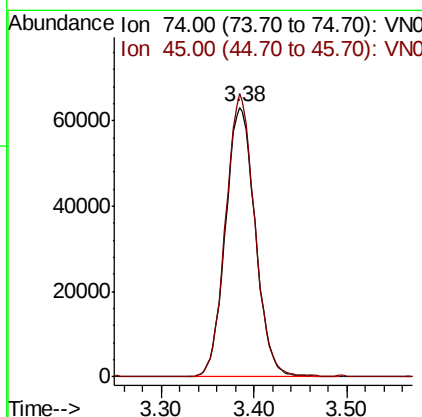
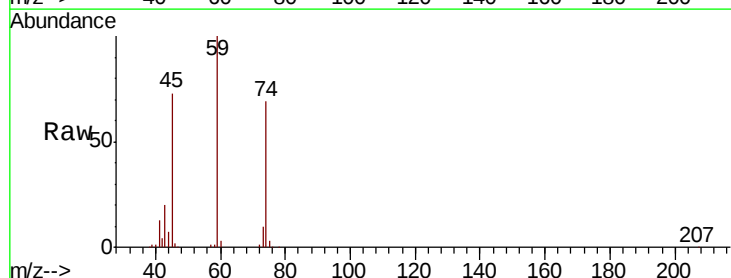
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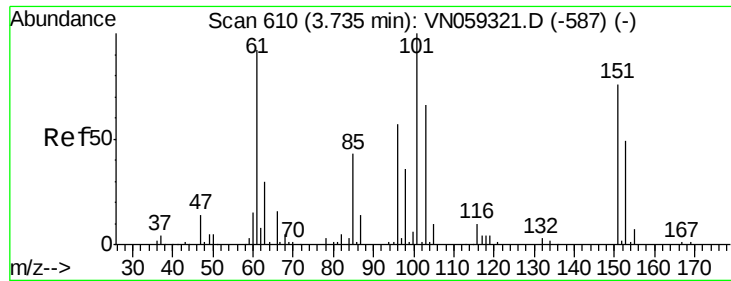


#8

Diethyl Ether
 Concen: 59.605 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		140833		
45	102.3	51.7	155.2		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.595 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

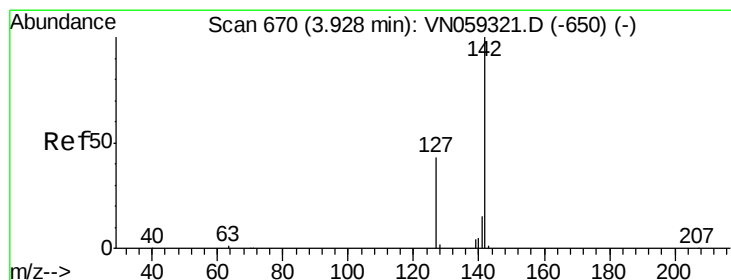
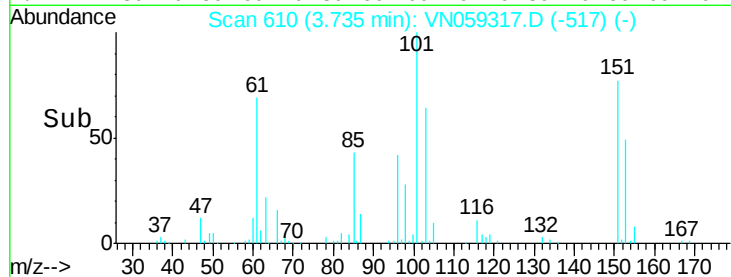
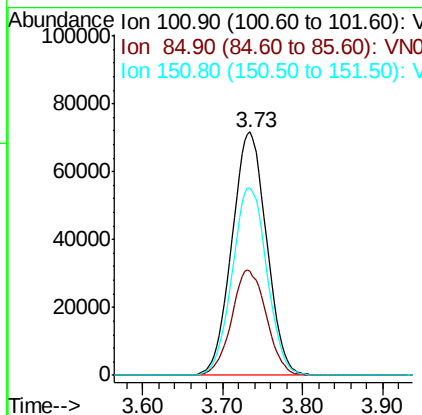
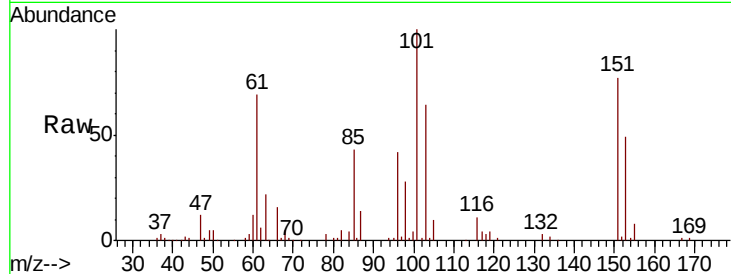
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	210613
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.8	52.2
151	77.1	62.2	93.4

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#10

Methyl Iodide

Concen: 61.479 ug/l

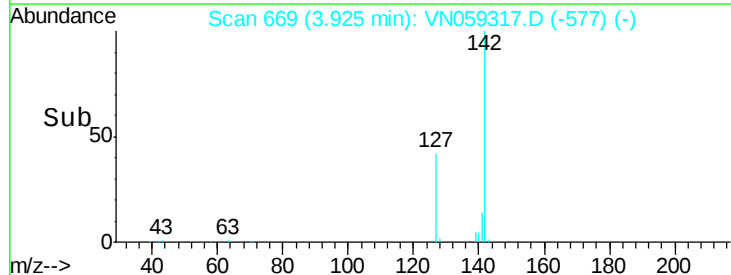
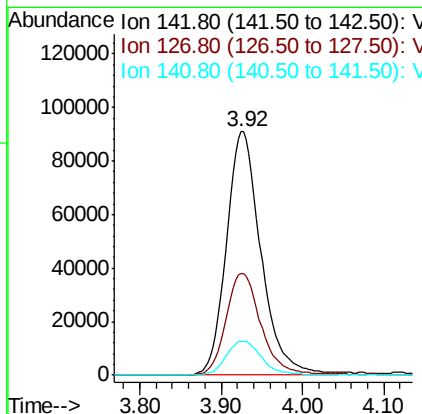
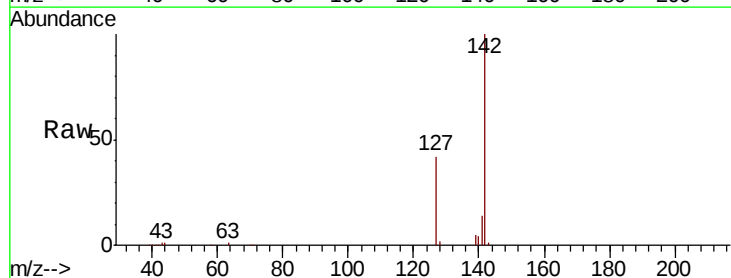
RT: 3.92 min Scan# 669

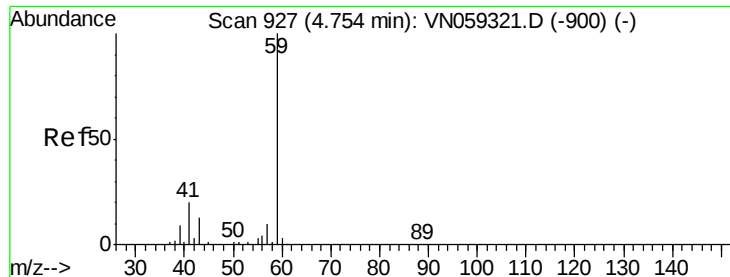
Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Tgt Ion:	142	Resp:	270025
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.8	50.6
141	14.3	11.2	16.8





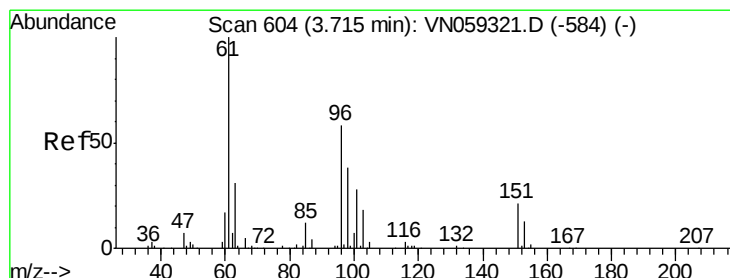
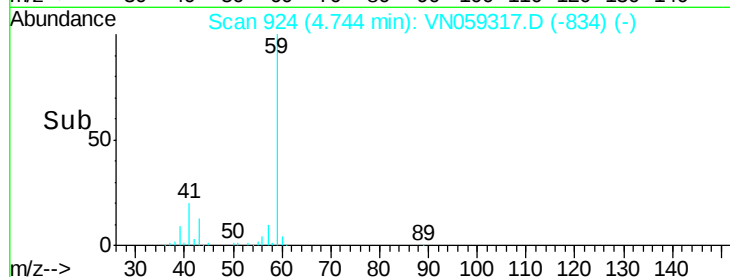
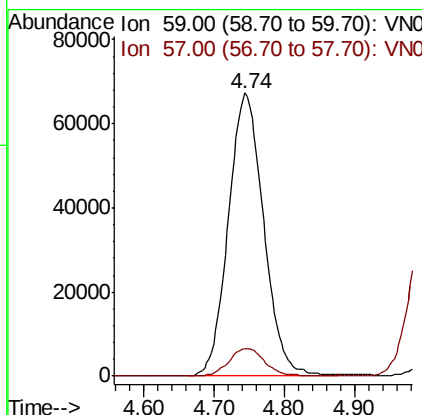
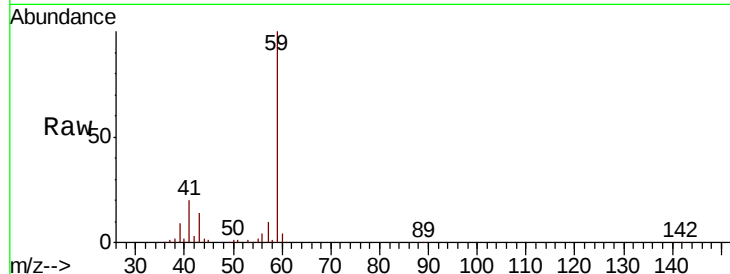
#11
Tert butyl alcohol
Concen: 294.834 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.01 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	235411
Ion Ratio	100	Lower	Upper
57	9.9	8.2	12.2

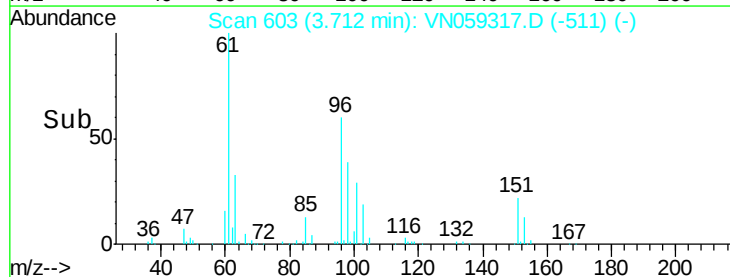
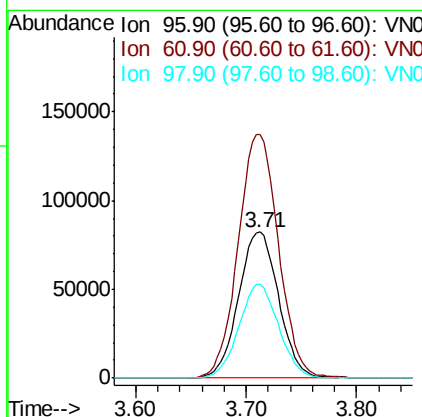
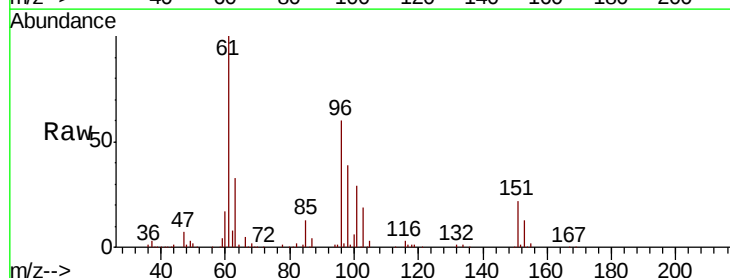
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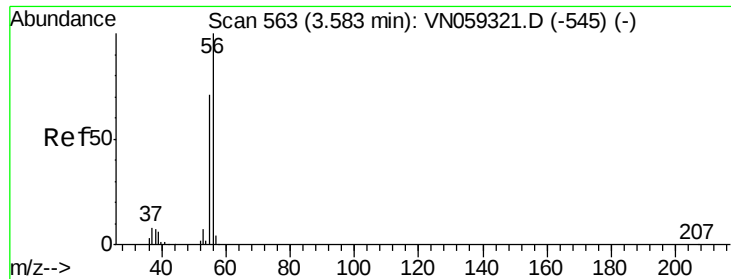
MMDadoda
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#12
1,1-Dichloroethene
Concen: 57.886 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion	96	Resp	207653
Ion Ratio	100	Lower	Upper
61	166.4	136.8	205.2
98	64.4	51.6	77.4





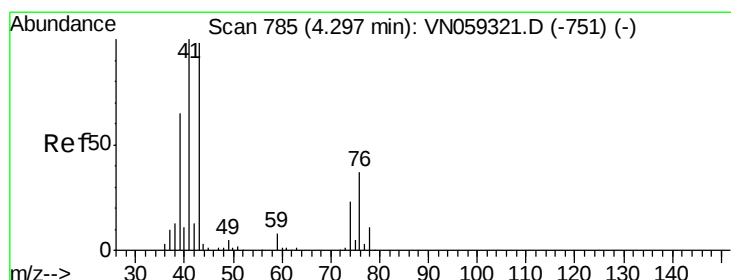
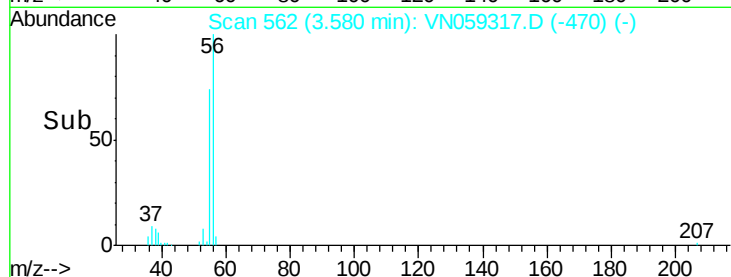
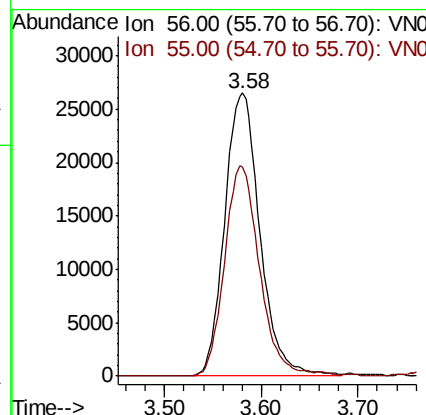
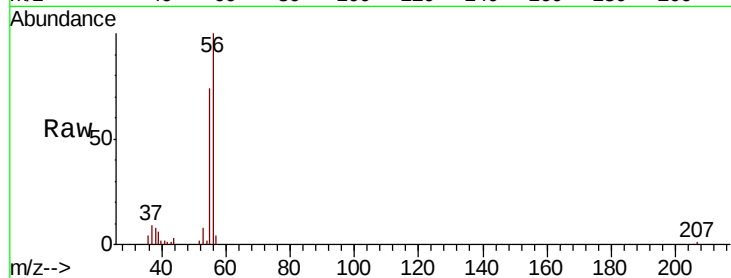
#13
Acrolein
Concen: 92.127 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	73.3	57.4	86.0	

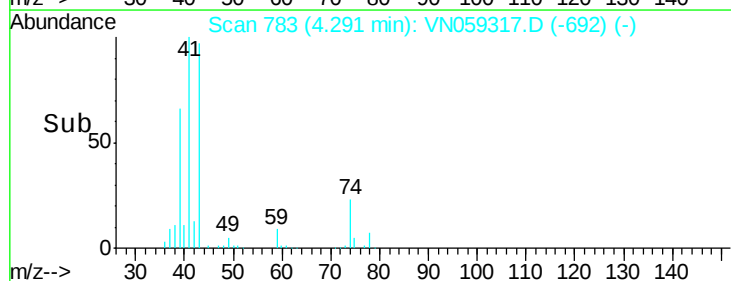
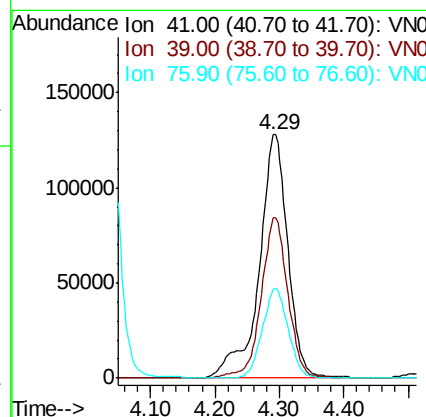
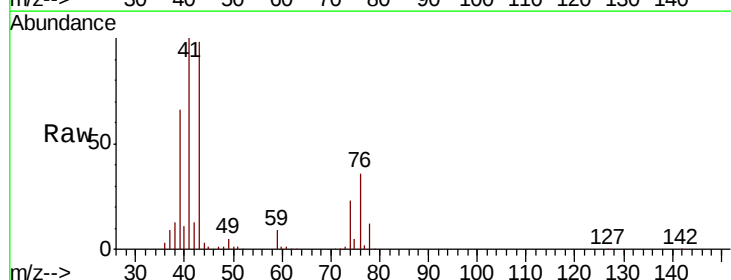
Manual Integrations
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#14
Allyl chloride
Concen: 59.316 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.9	48.4	72.6	
76	32.7	26.2	39.4	





#15

Acrylonitrile

Concen: 291.360 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

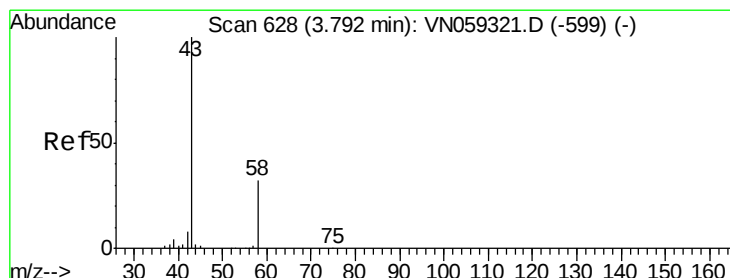
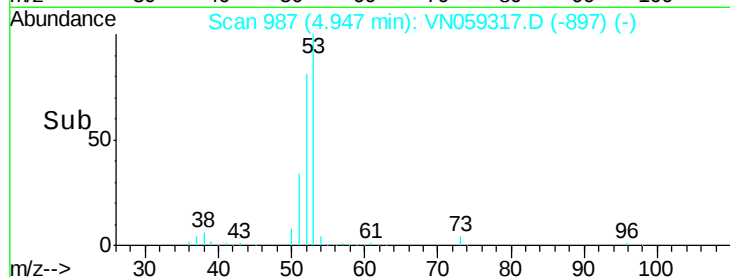
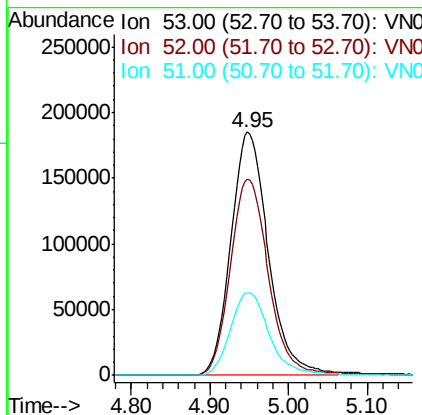
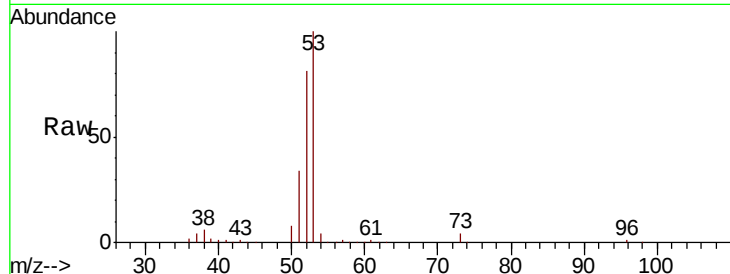
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	615094
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.8	98.8
51	35.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 355.324 ug/l

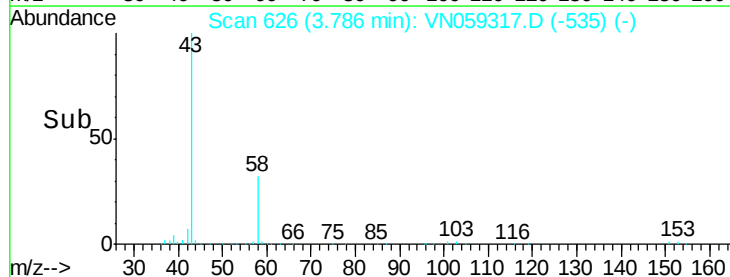
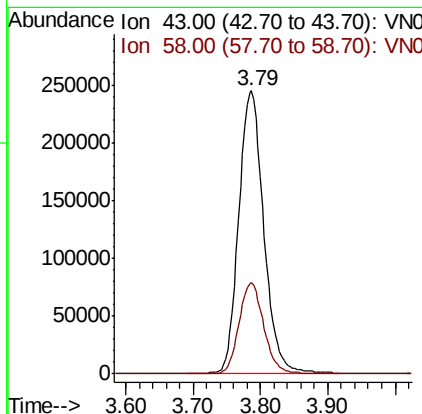
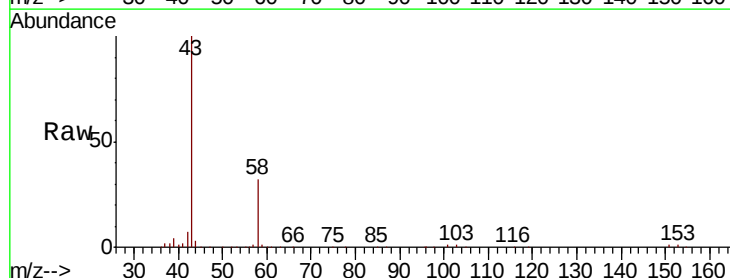
RT: 3.79 min Scan# 626

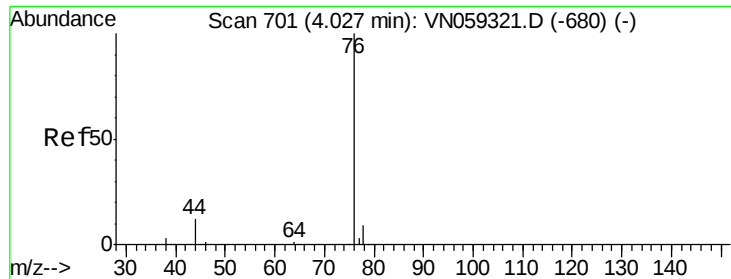
Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Tgt Ion:	43	Resp:	635369
Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.8	38.6





#17

Carbon Disulfide

Concen: 58.452 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 657424

Ion Ratio Lower Upper

76 100

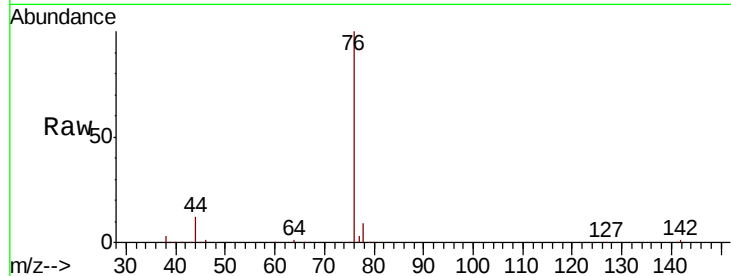
78 9.0 7.2 10.8

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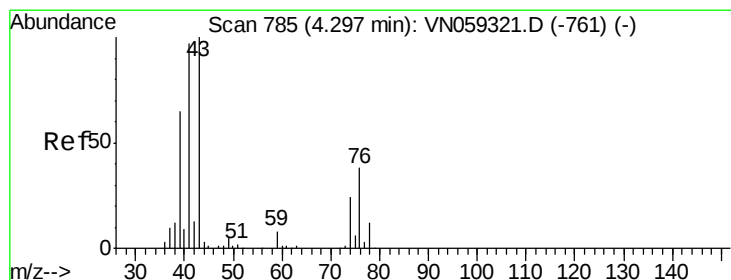
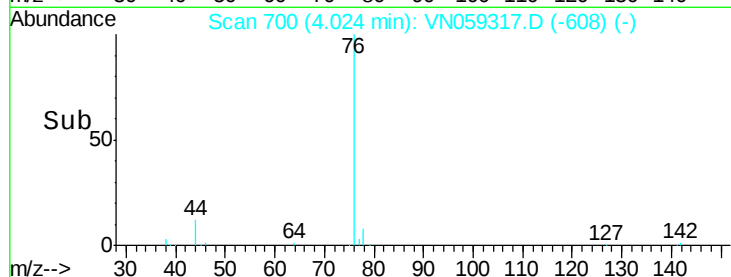
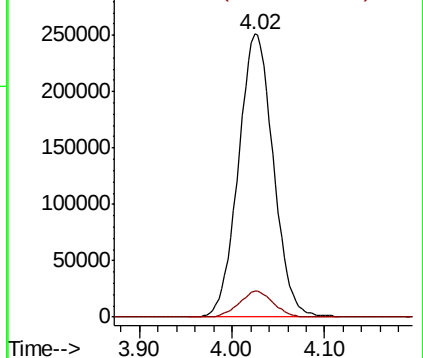
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 58.535 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059317.D

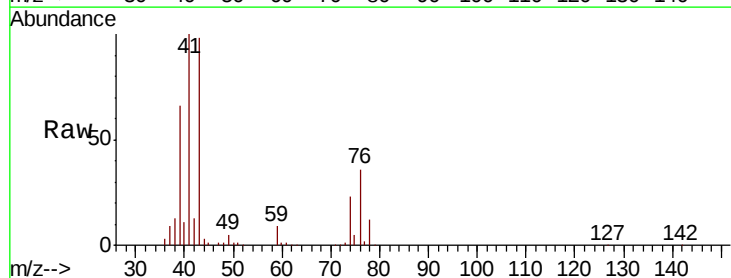
Acq: 20 Nov 2019 10:41

Tgt Ion: 43 Resp: 347366

Ion Ratio Lower Upper

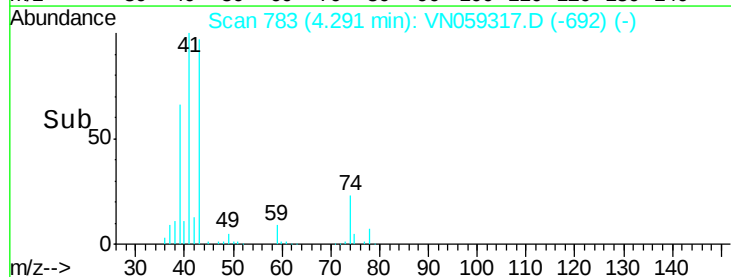
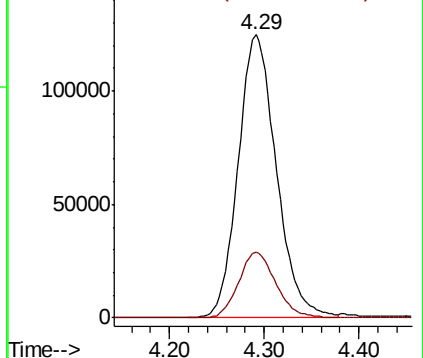
43 100

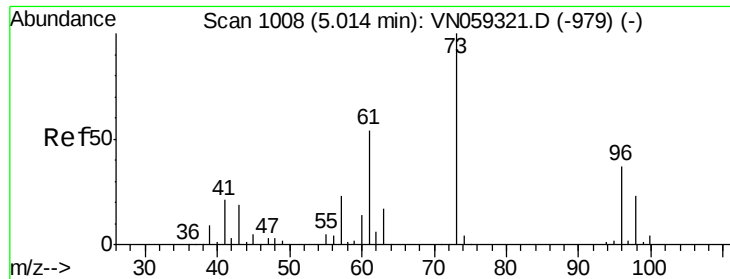
74 23.0 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





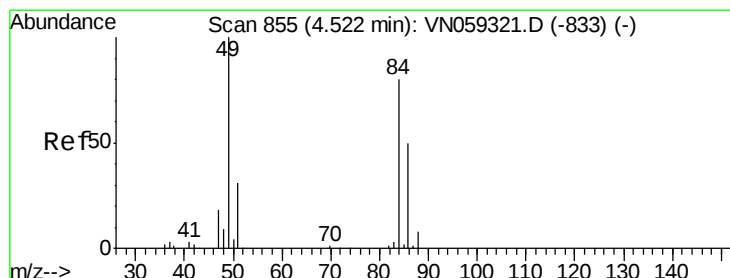
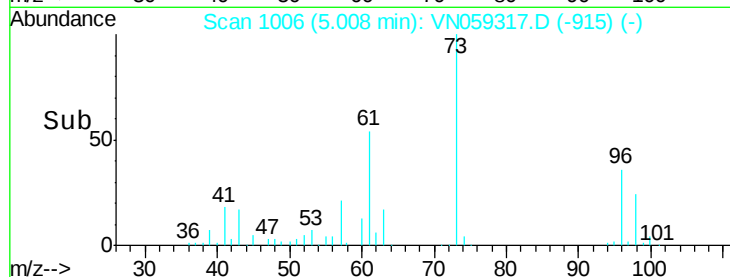
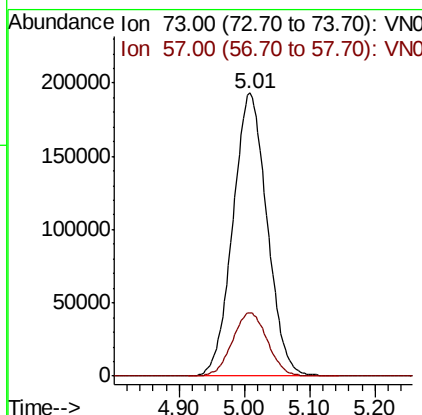
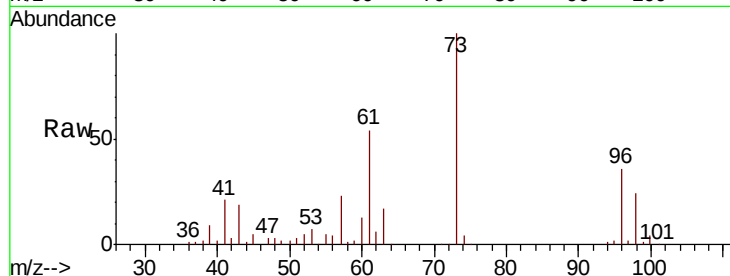
#19
Methvl tert-butvl Ether
Concen: 60.710 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 703415
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6

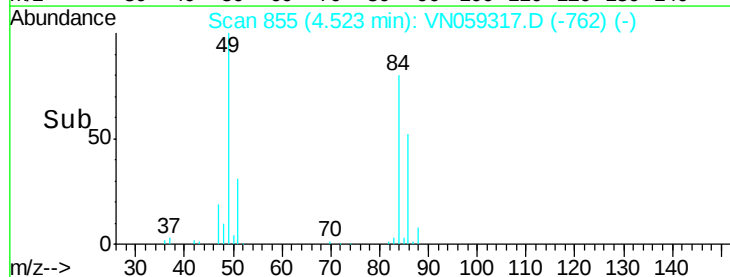
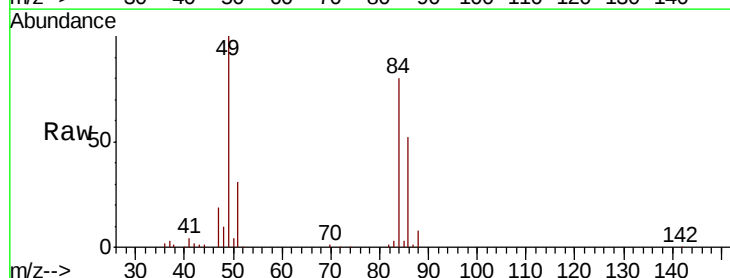
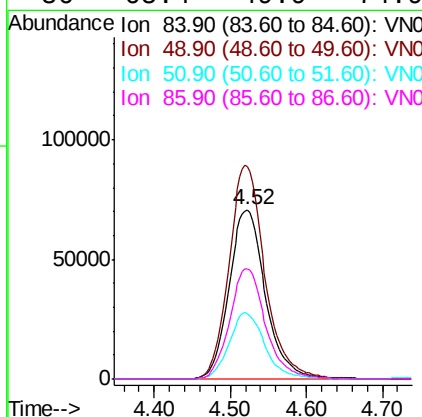
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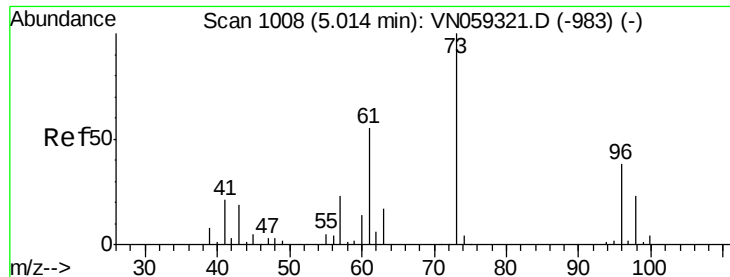
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#20
Methylene Chloride
Concen: 58.266 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion: 84 Resp: 234982
Ion Ratio Lower Upper
84 100
49 125.6 99.5 149.3
51 38.9 31.1 46.7
86 65.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 58.726 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 223270

Ion Ratio Lower Upper

96 100

61 150.1 116.4 174.6

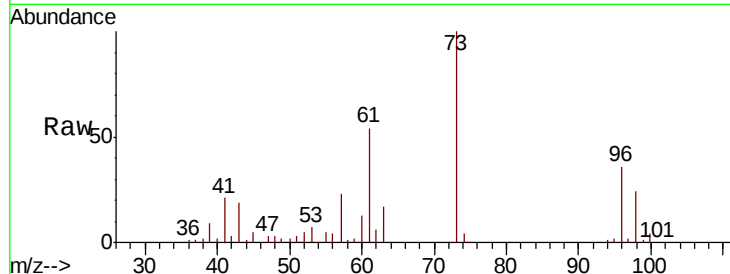
98 65.1 49.6 74.4

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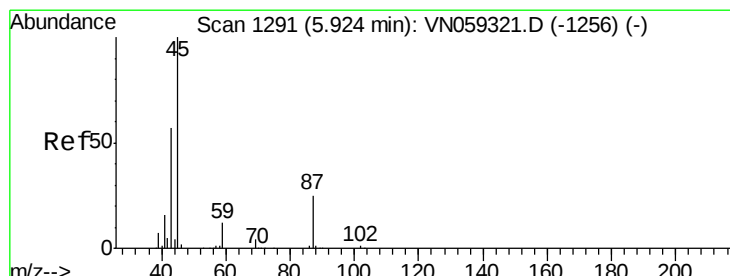
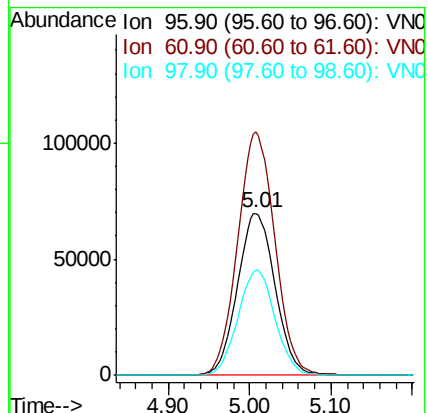
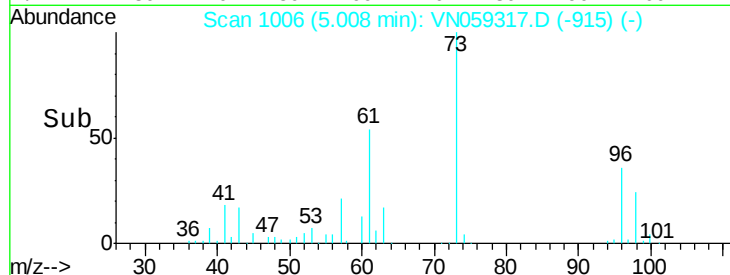


Abundance Ion 95.90 (95.60 to 96.60): VN059317.D (-915) (-)

Ion 60.90 (60.60 to 61.60): VN059317.D (-915) (-)

Ion 97.90 (97.60 to 98.60): VN059317.D (-915) (-)

Time-->



#22

Diisopropyl ether

Concen: 61.007 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Tgt Ion: 45 Resp: 769765

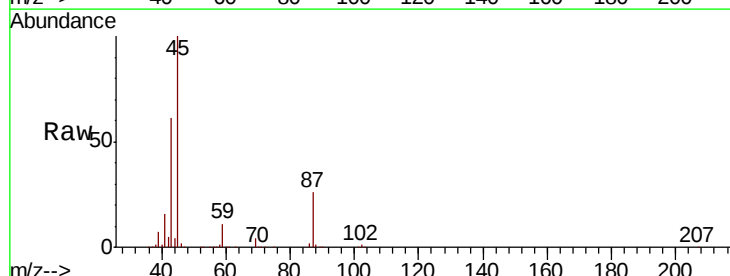
Ion Ratio Lower Upper

45 100

43 60.3 47.6 71.4

87 26.4 20.7 31.1

59 11.3 9.4 14.2



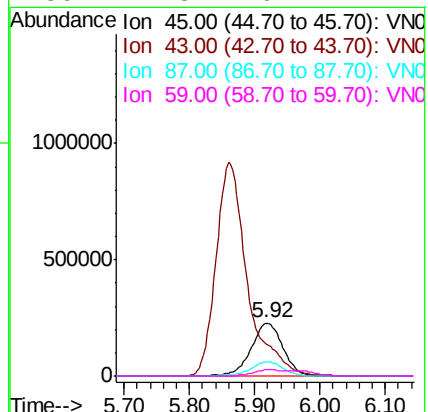
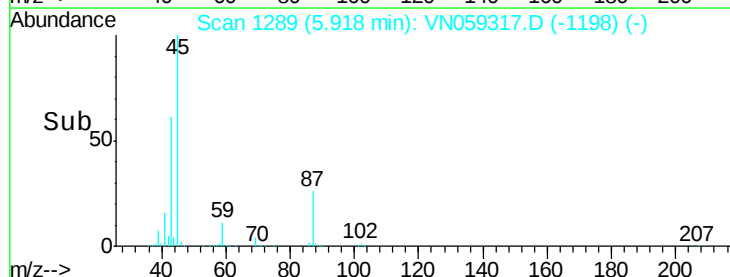
Abundance Ion 45.00 (44.70 to 45.70): VN059317.D (-1198) (-)

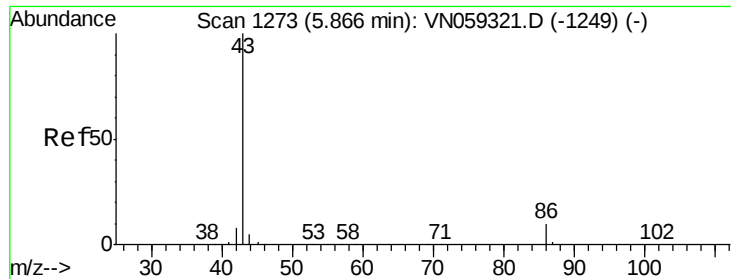
Ion 43.00 (42.70 to 43.70): VN059317.D (-1198) (-)

Ion 87.00 (86.70 to 87.70): VN059317.D (-1198) (-)

Ion 59.00 (58.70 to 59.70): VN059317.D (-1198) (-)

Time-->





#23

Vinyl Acetate

Concen: 309.607 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3071972

Ion Ratio Lower Upper

43 100

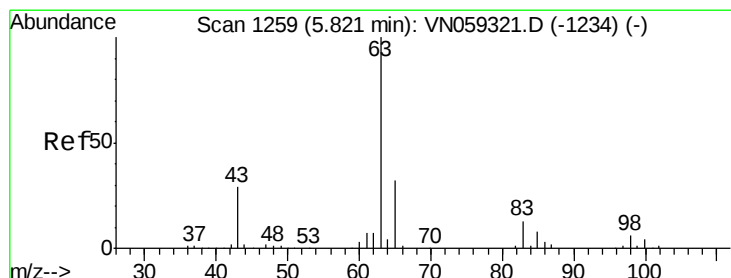
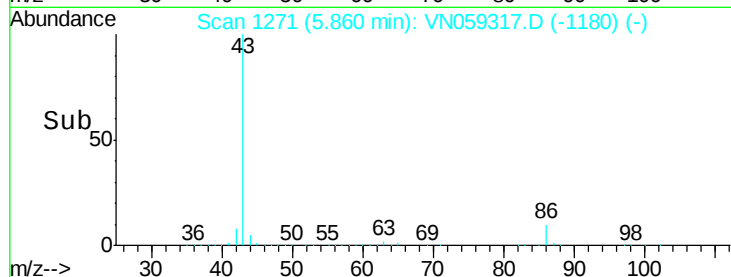
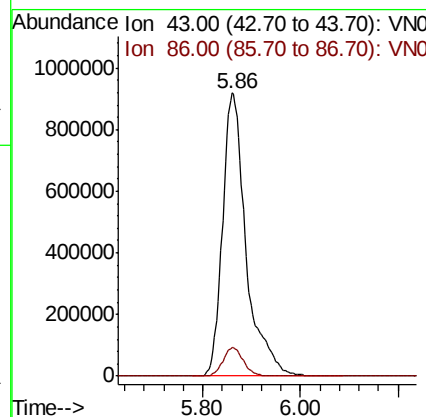
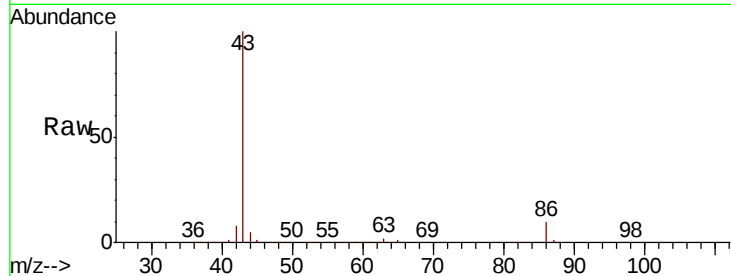
86 10.0 8.0 12.0

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#24

1,1-Dichloroethane

Concen: 60.603 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

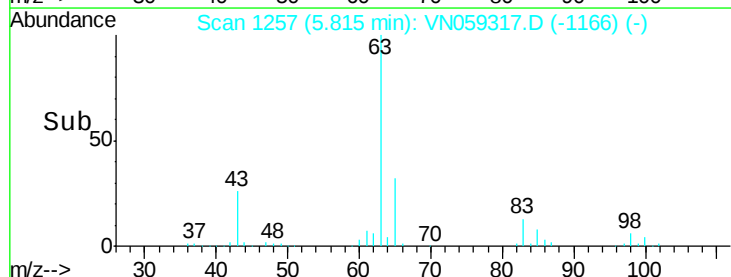
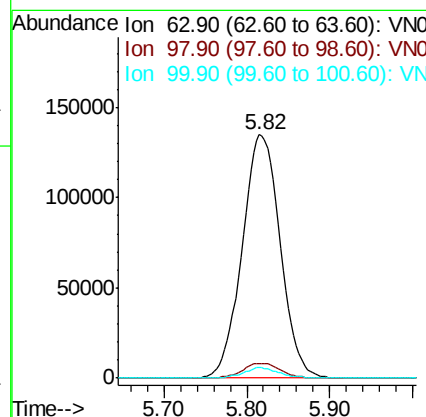
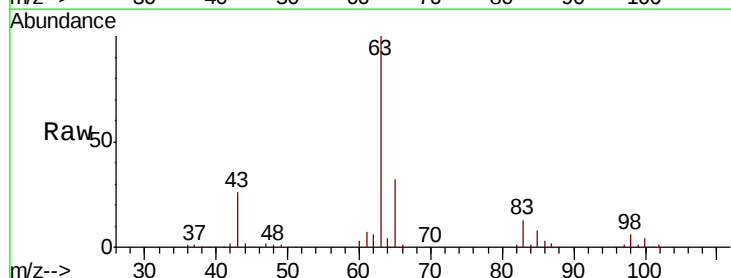
Tgt Ion: 63 Resp: 430407

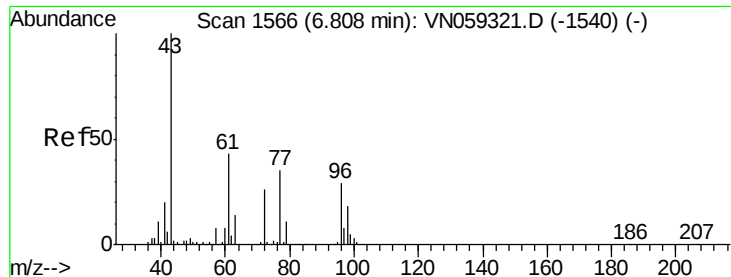
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 4.2 1.9 5.7





#25

2-Butanone

Concen: 313.191 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 870841

Ion Ratio Lower Upper

43 100

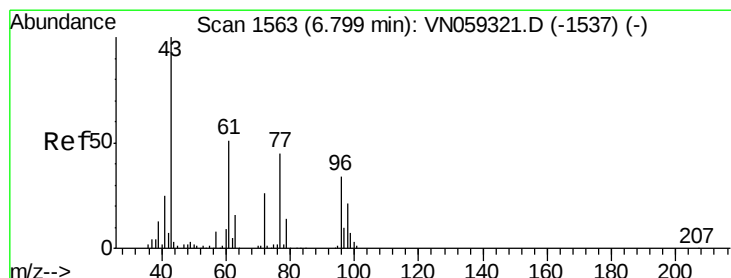
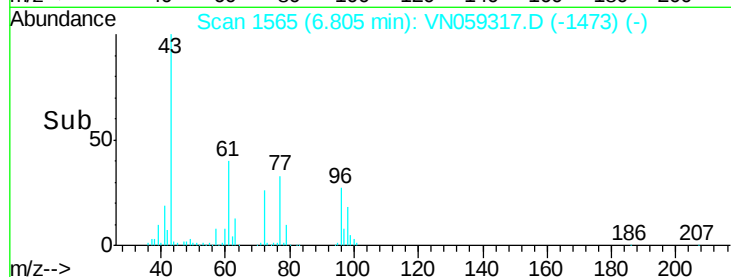
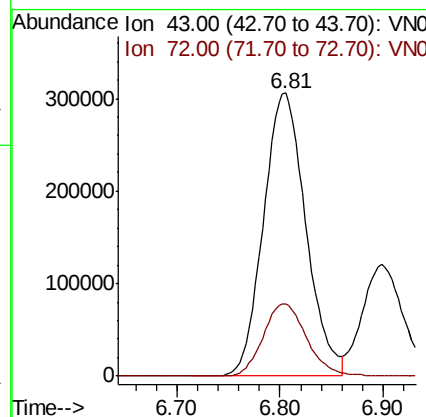
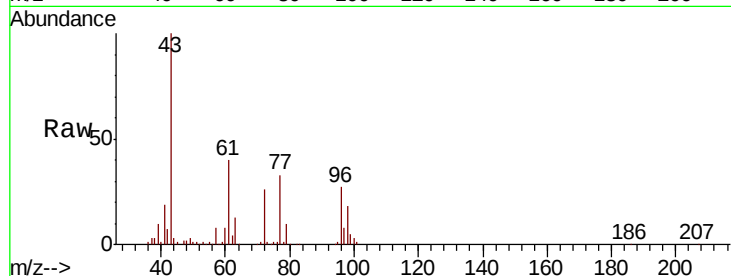
72 25.6 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 59.492 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059317.D

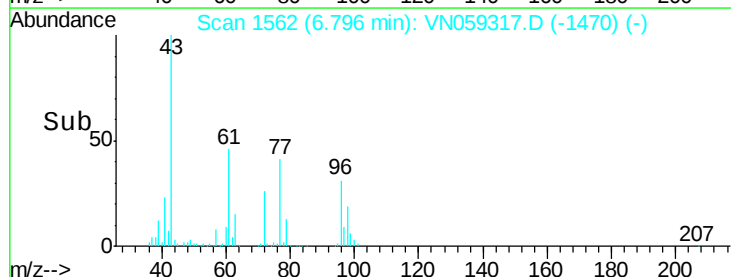
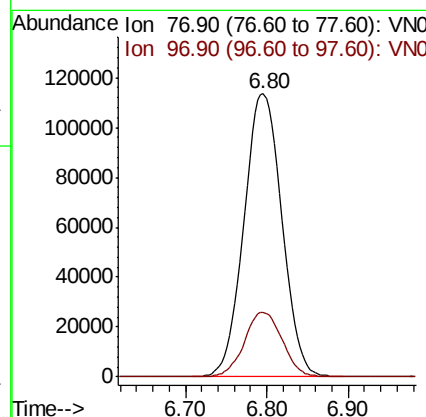
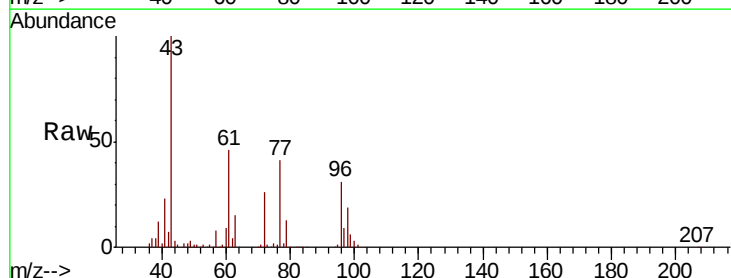
Acq: 20 Nov 2019 10:41

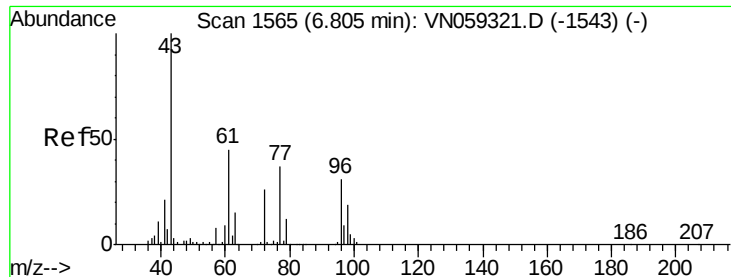
Tgt Ion: 77 Resp: 365855

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 59.083 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

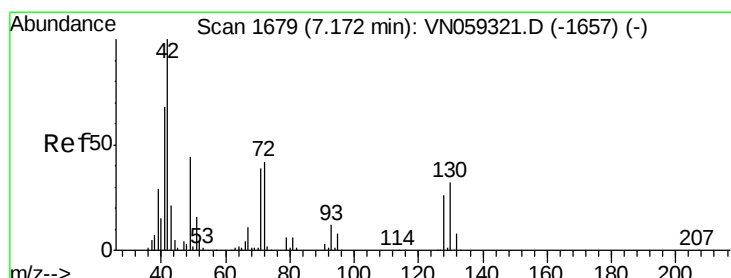
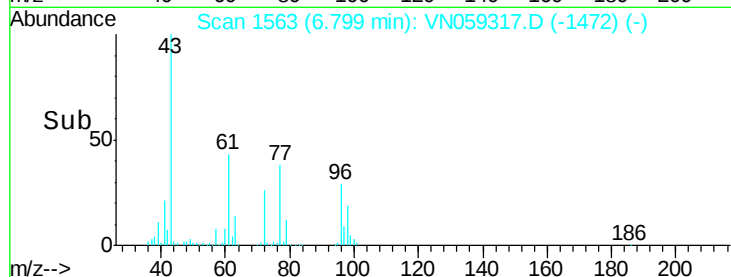
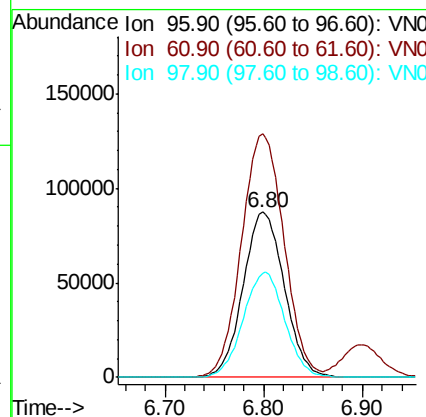
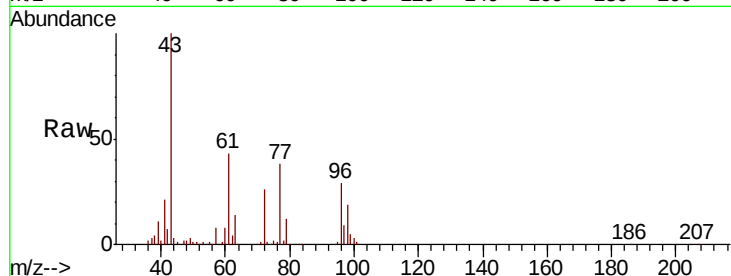
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	253437
Ion	Ratio	Lower	Upper
96	100		
61	151.8	0.0	304.0
98	64.2	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 30.072 ug/l

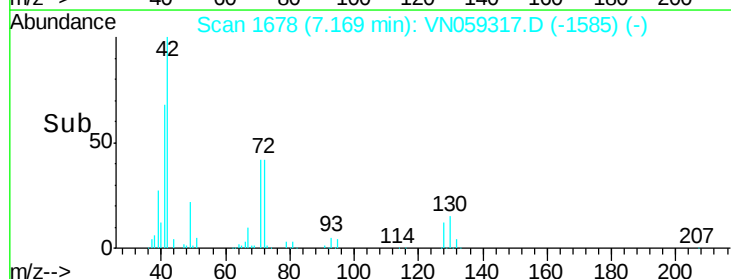
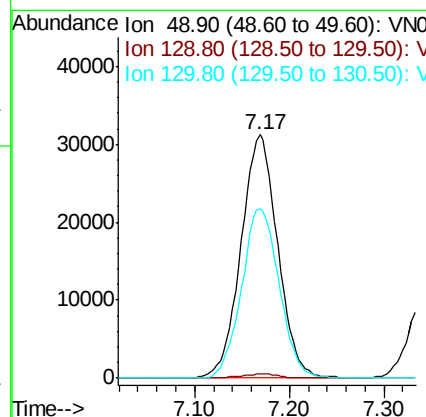
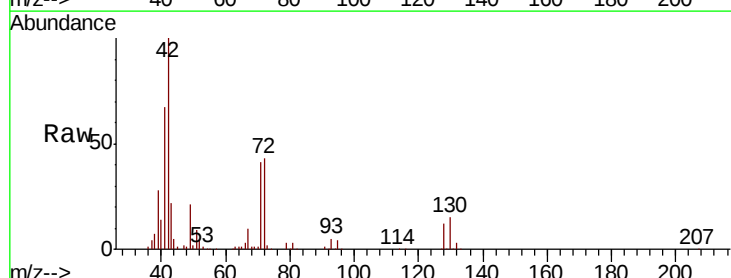
RT: 7.17 min Scan# 1678

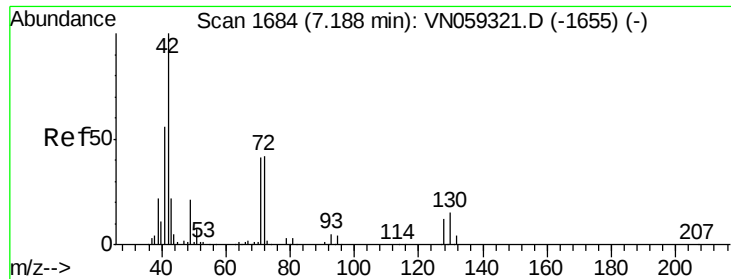
Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Tgt Ion:	49	Resp:	84152
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	71.2	57.0	85.6





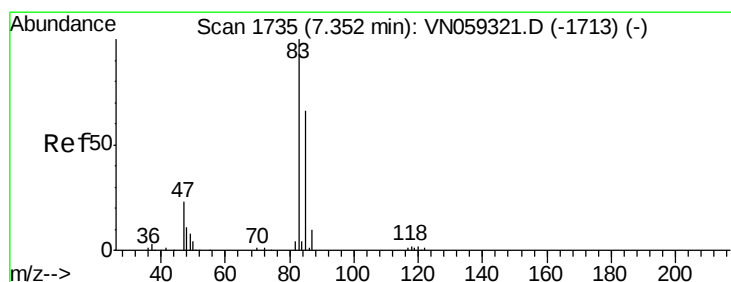
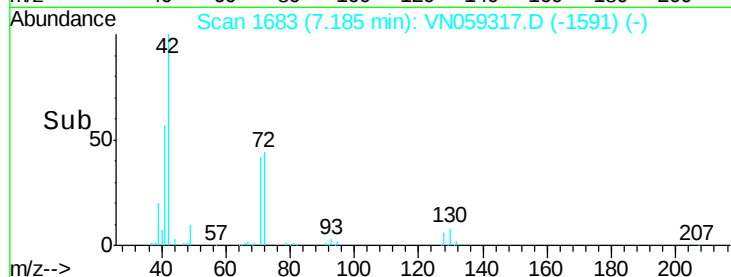
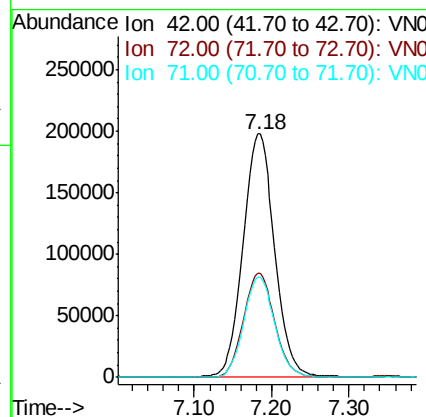
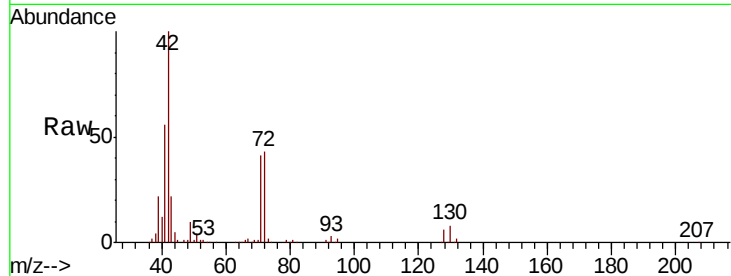
#29
Tetrahydrofuran
Concen: 291.090 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.2	51.2
71	40.8	32.6	48.8

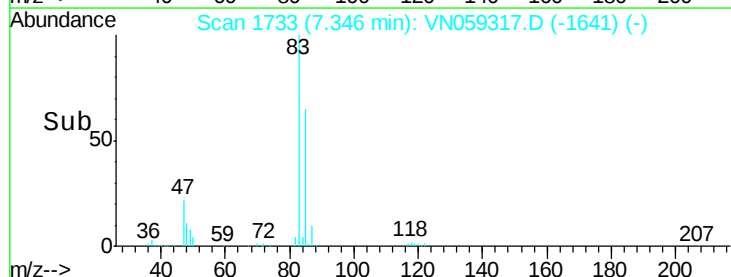
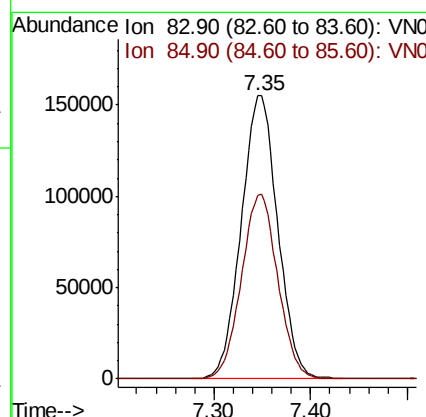
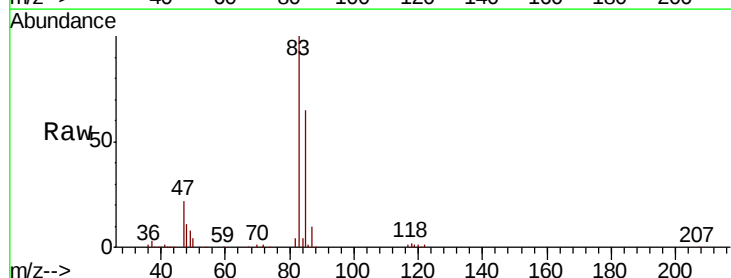
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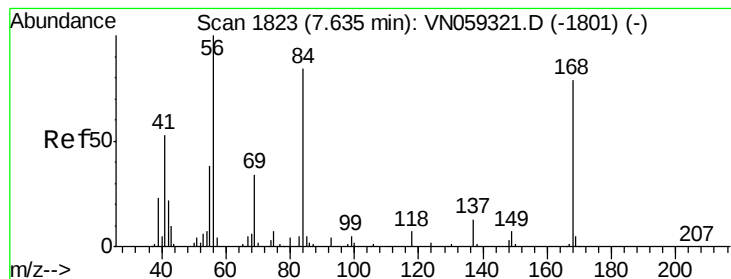
MMDadoda
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#30
Chloroform
Concen: 59.044 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.01 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.7	79.1





#31

Cyclohexane

Concen: 57.076 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

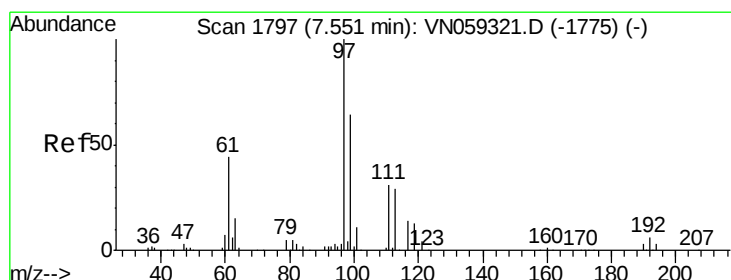
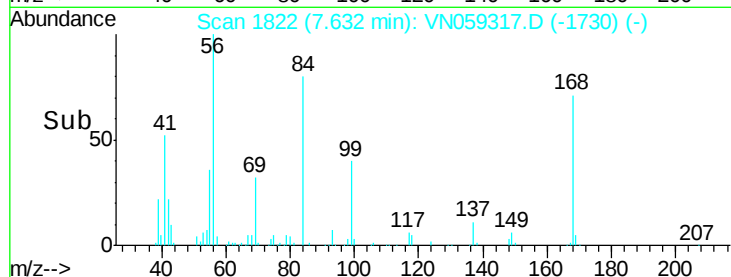
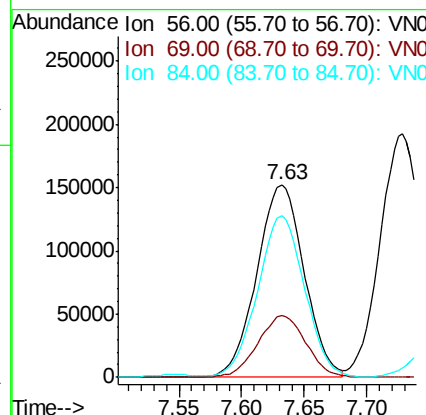
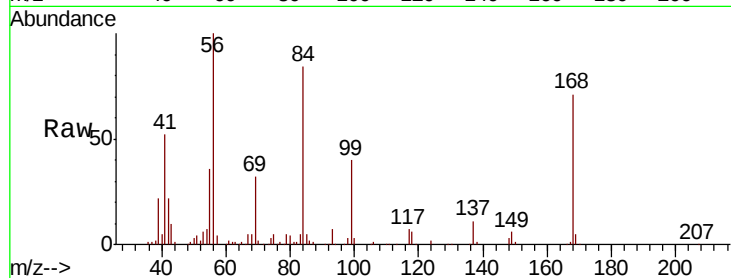
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	400796
Ion Ratio		Lower	Upper
56	100		
69	32.0	26.6	40.0
84	82.6	67.0	100.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 58.854 ug/l

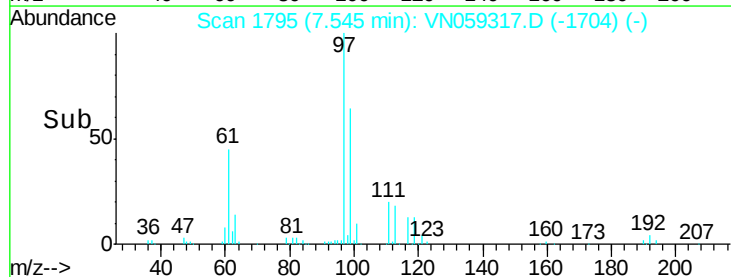
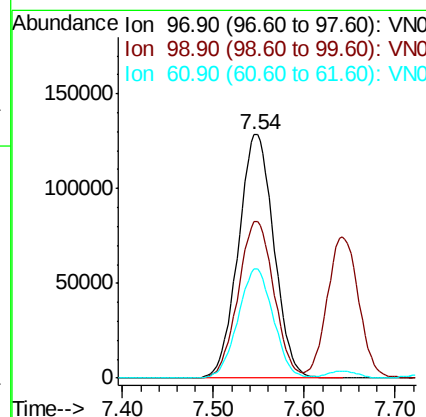
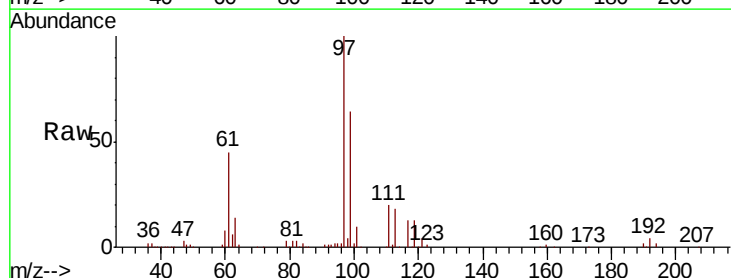
RT: 7.54 min Scan# 1795

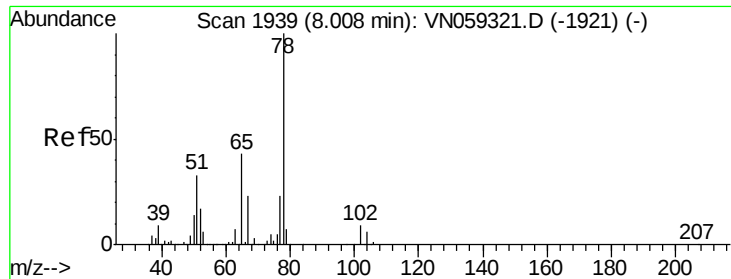
Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Tgt Ion:	97	Resp:	348506
Ion Ratio		Lower	Upper
97	100		
99	64.5	51.3	76.9
61	44.7	35.3	52.9





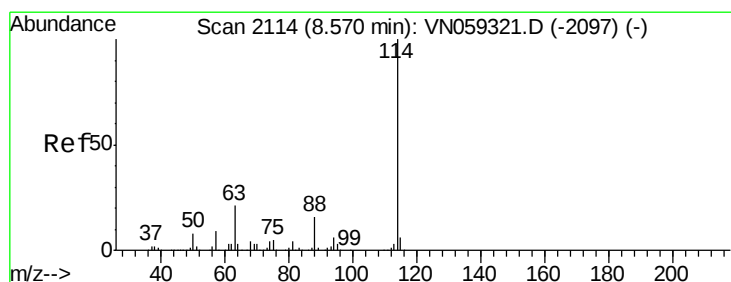
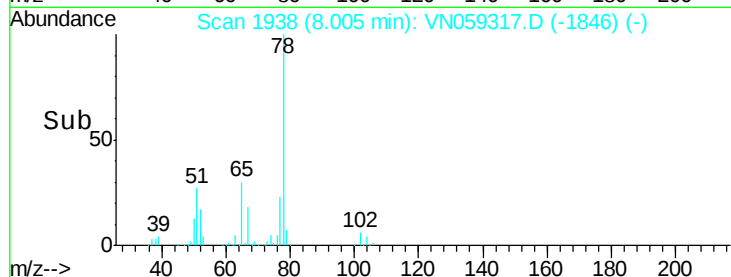
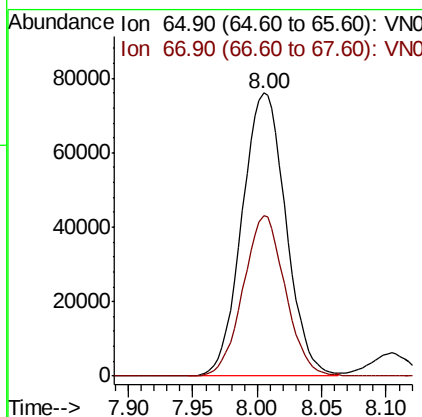
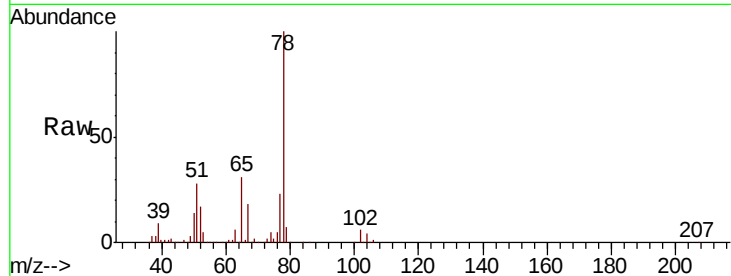
#33
 1,2-Dichloroethane-d4
 Concen: 45.243 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	180430		
67	54.4	0.0	109.4	

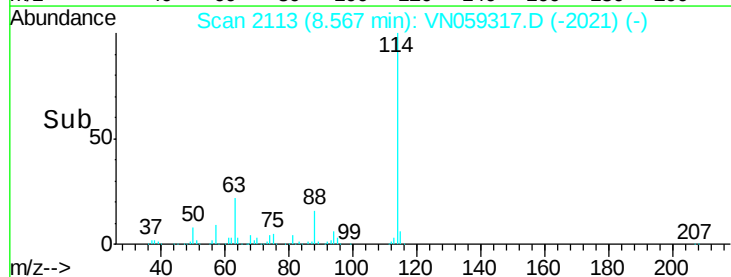
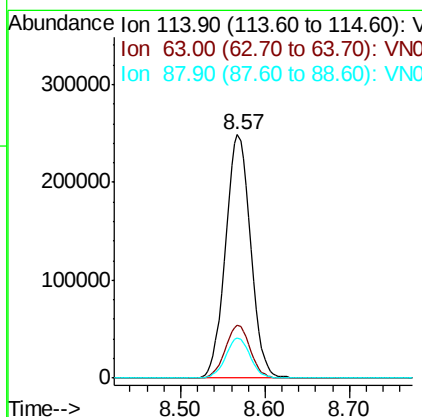
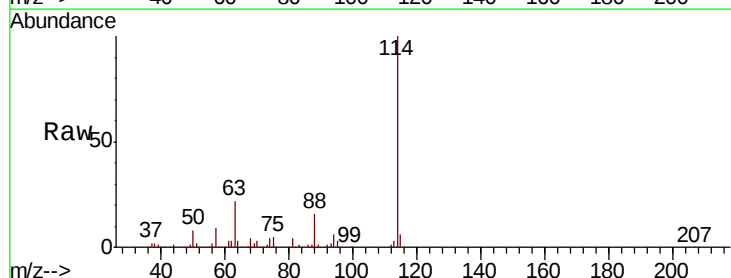
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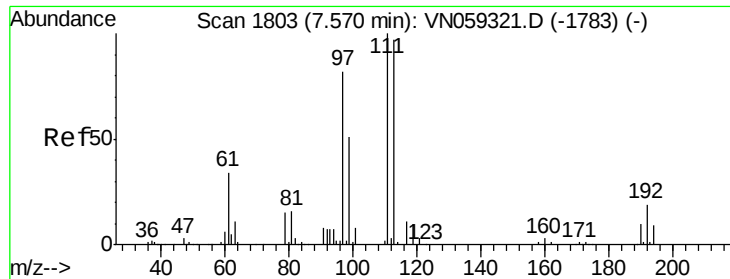
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	514972		
63	21.6	0.0	42.2	
88	16.4	0.0	32.2	





#35

Dibromofluoromethane

Concen: 48.876 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 151003

Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

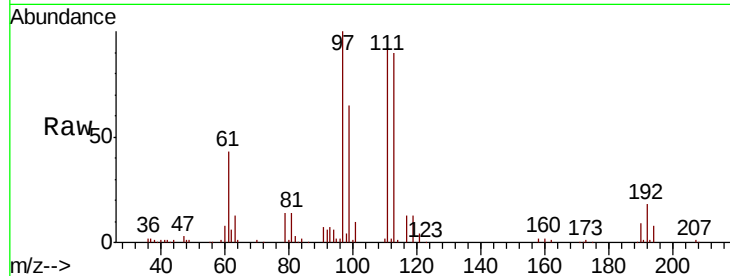
192 20.4 16.3 24.5

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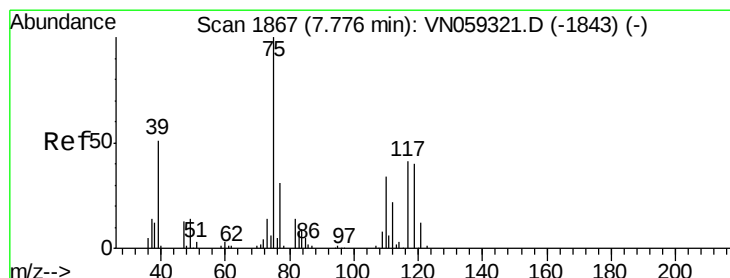
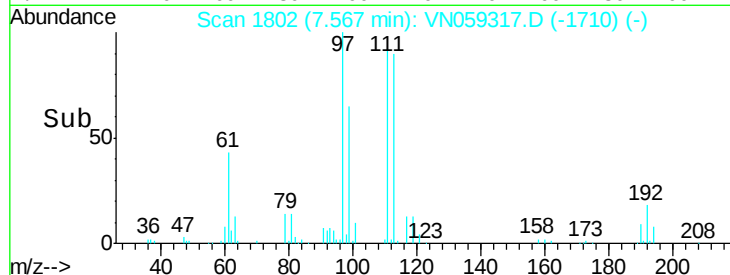
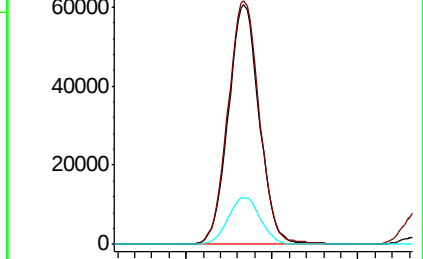
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 61.213 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

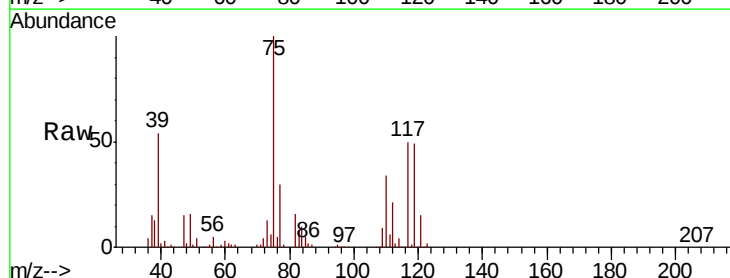
Tgt Ion: 75 Resp: 325426

Ion Ratio Lower Upper

75 100

110 33.7 17.0 51.0

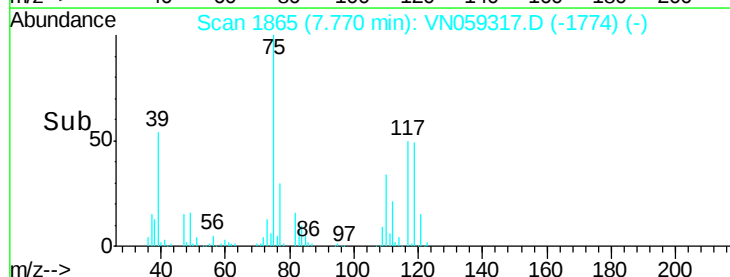
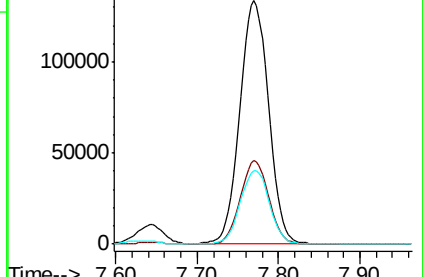
77 30.7 24.8 37.2

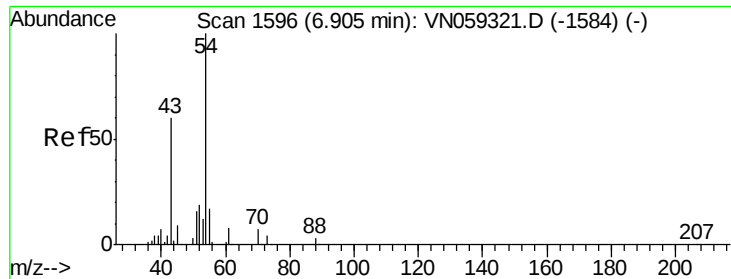


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





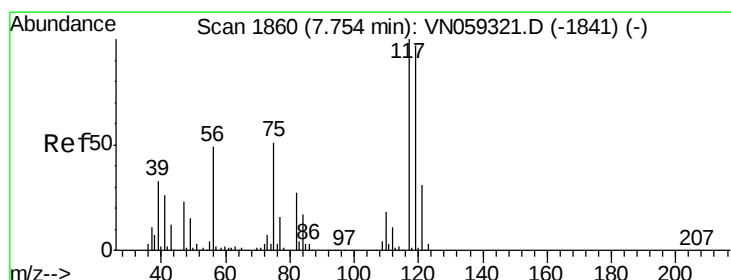
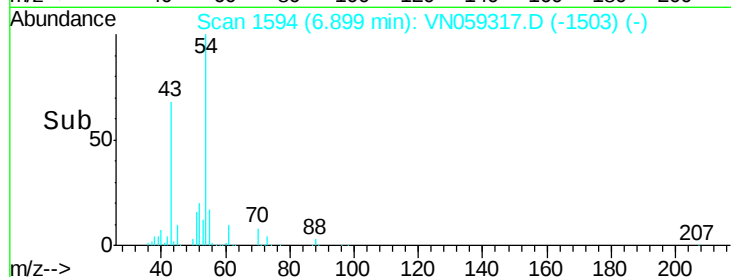
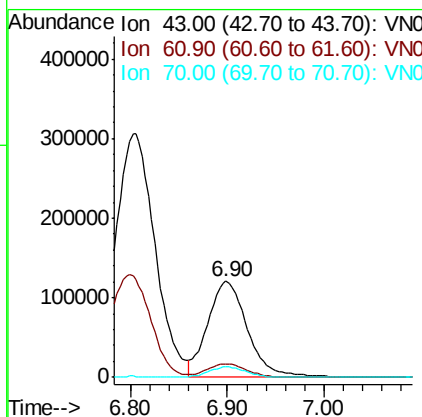
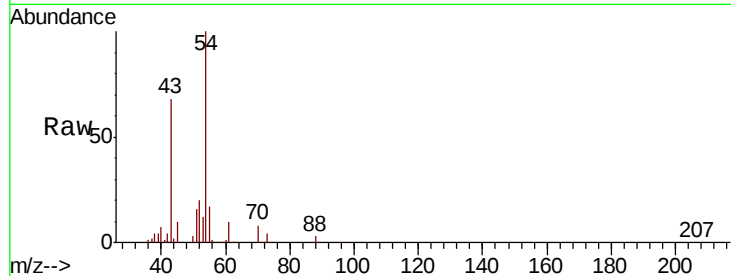
#37
Ethyl Acetate
Concen: 59.365 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.6
70	10.5	8.8	13.2

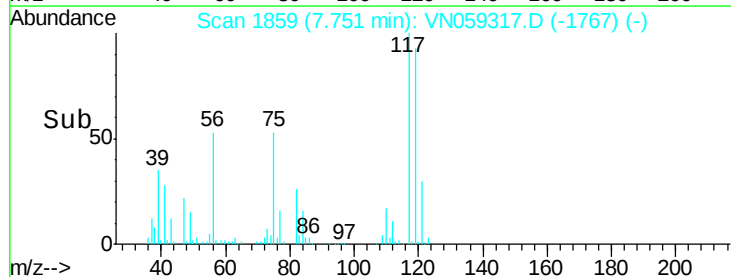
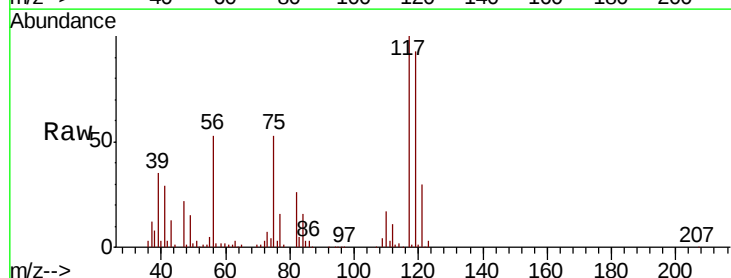
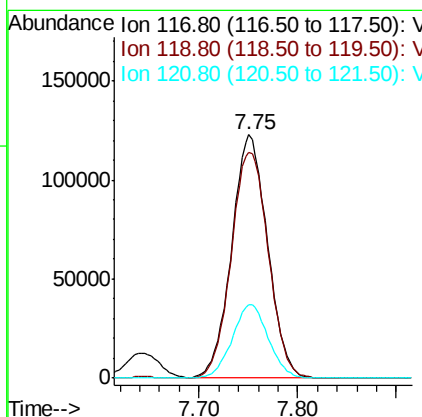
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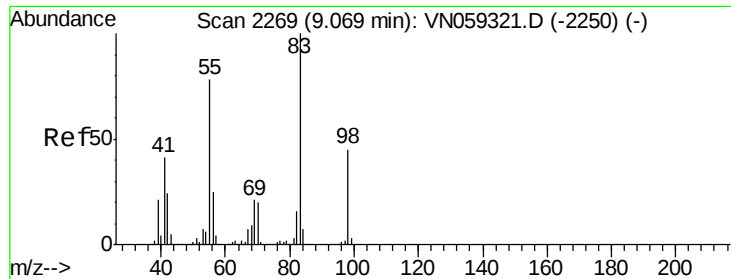
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#38
Carbon Tetrachloride
Concen: 60.955 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	77.0	115.4
121	30.2	24.4	36.6





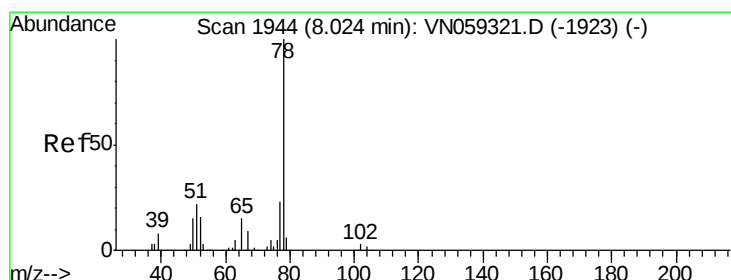
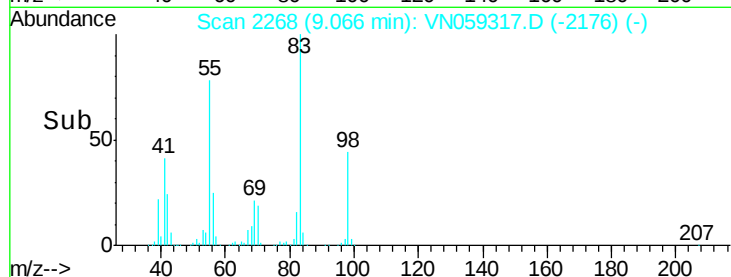
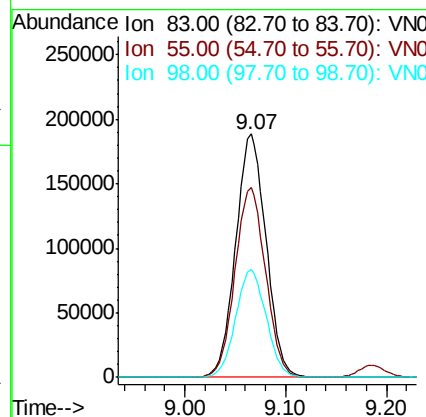
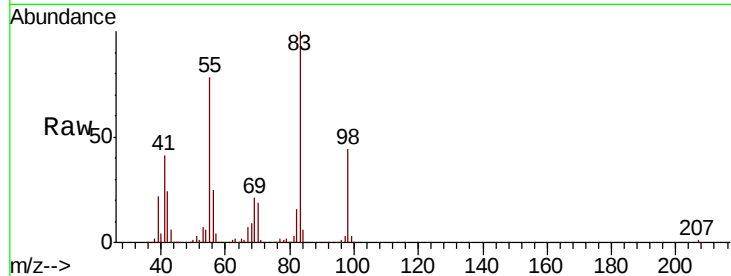
#39
Methvlcvclohexane
Concen: 61.618 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.3	93.5
98	44.3	36.0	54.0

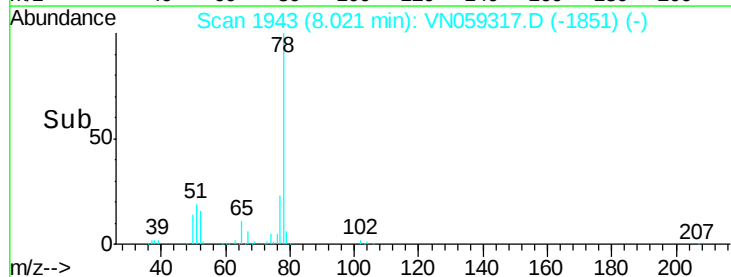
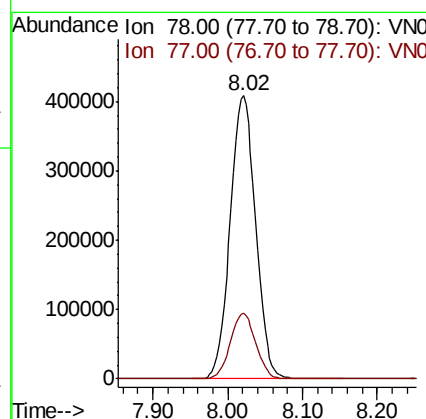
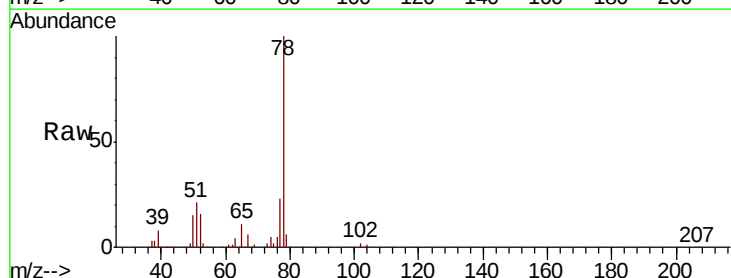
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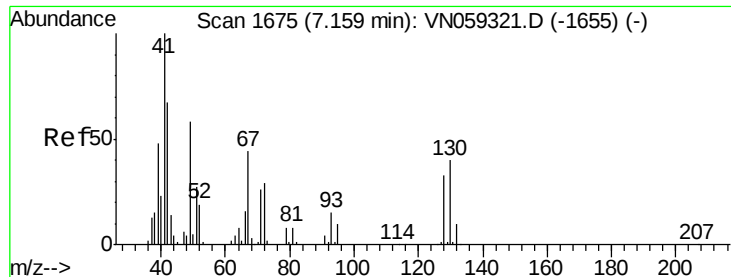
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#40
Benzene
Concen: 61.735 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.4	27.6





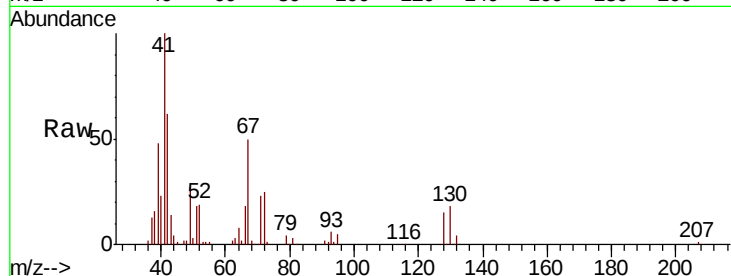
#41
Methacrylonitrile
Concen: 61.726 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

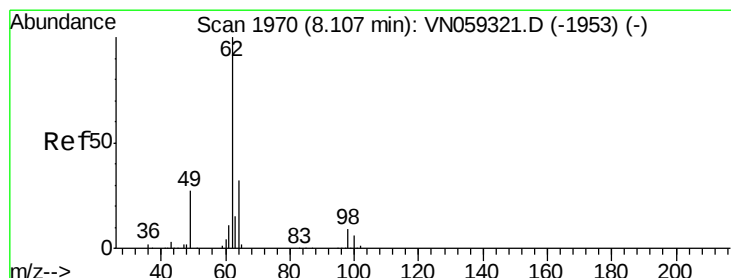
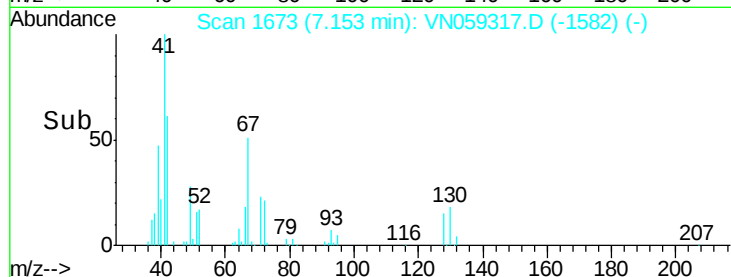
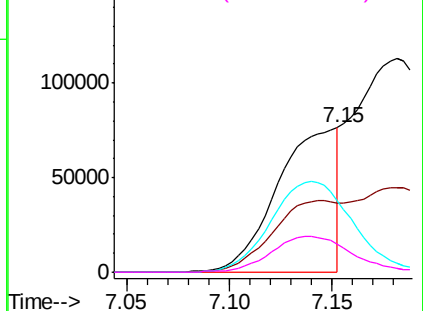
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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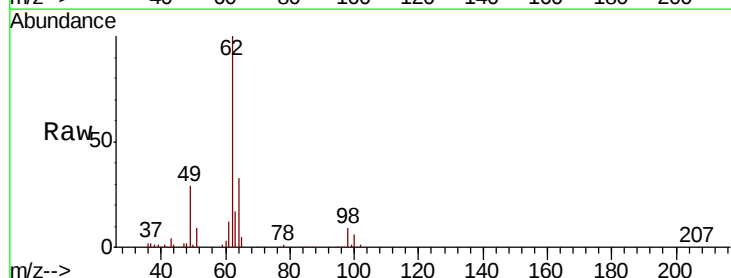


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

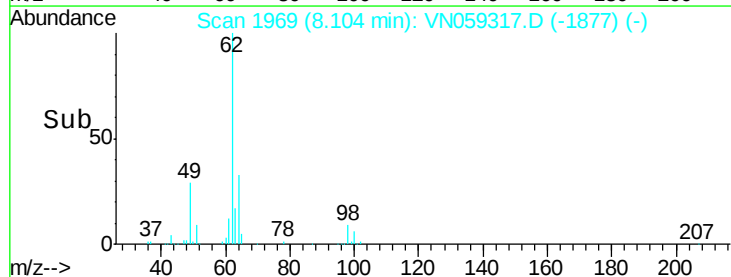
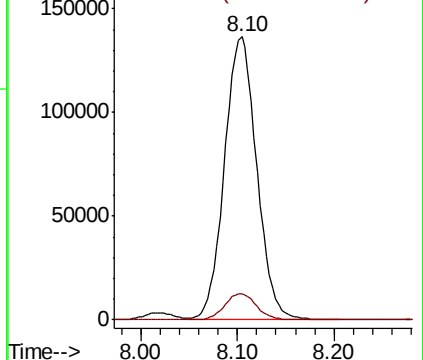


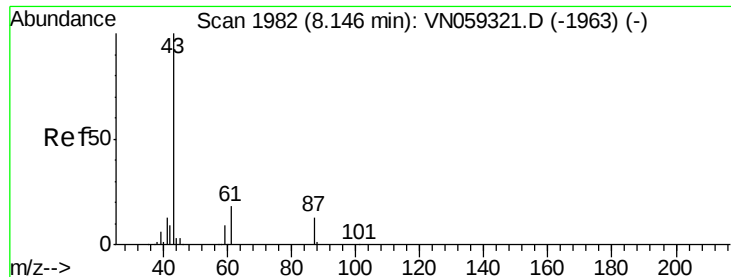
#42
1,2-Dichloroethane
Concen: 61.127 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





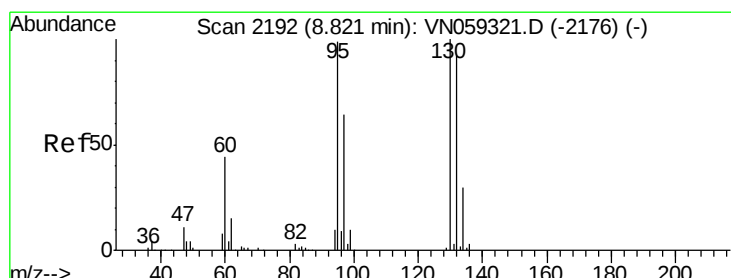
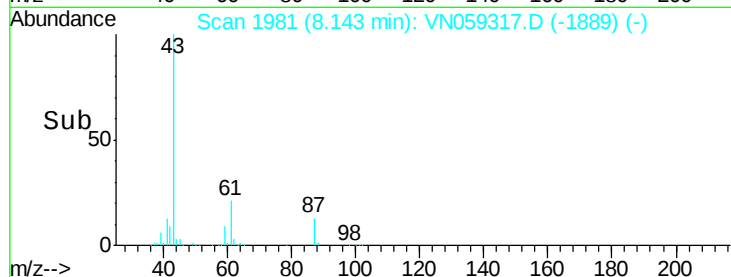
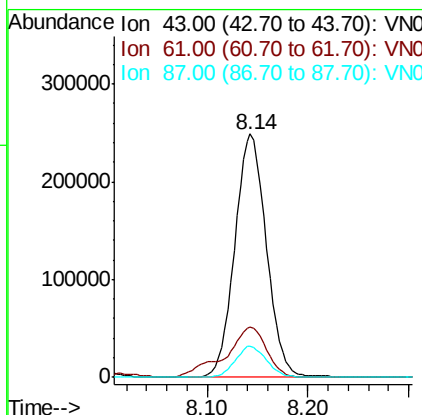
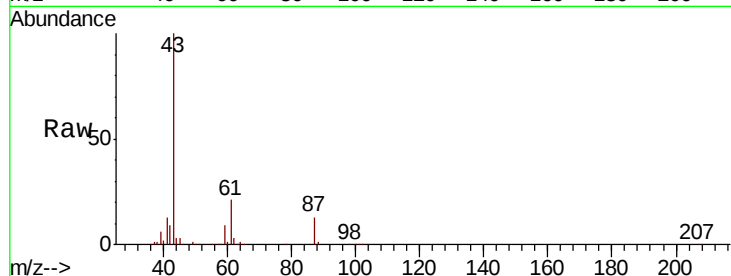
#43
Isopropyl Acetate
Concen: 61.810 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.1	21.7	32.5
87	12.8	10.2	15.4

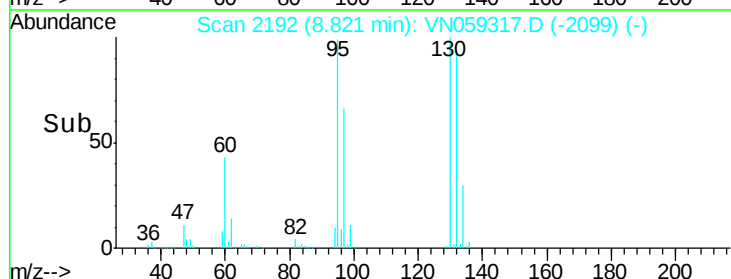
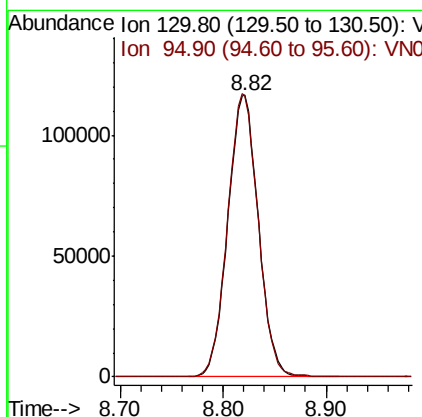
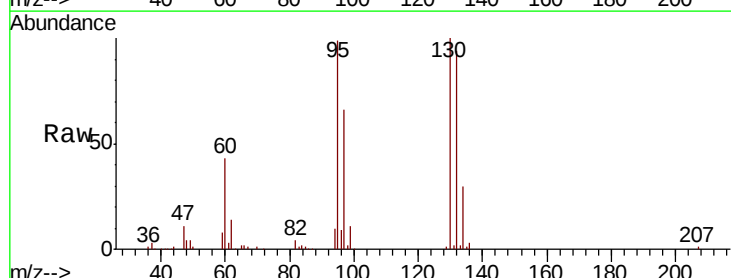
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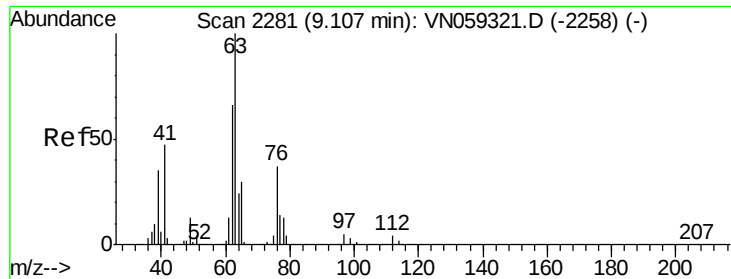
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#44
Trichloroethene
Concen: 60.873 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	198.4





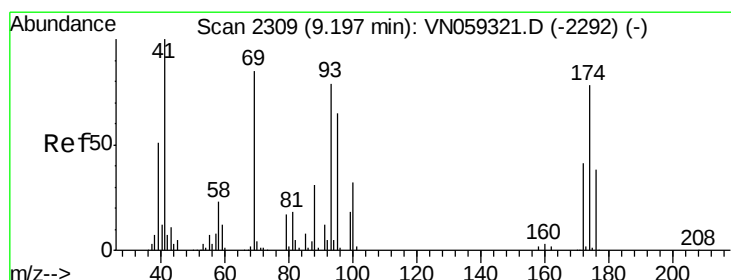
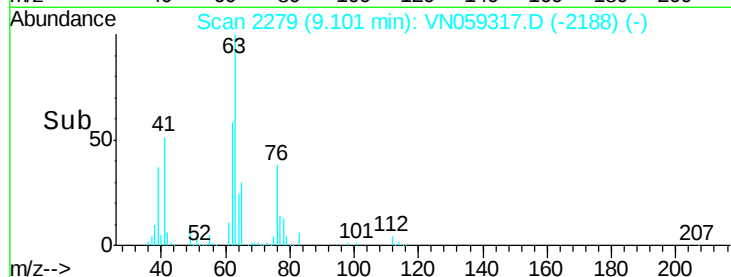
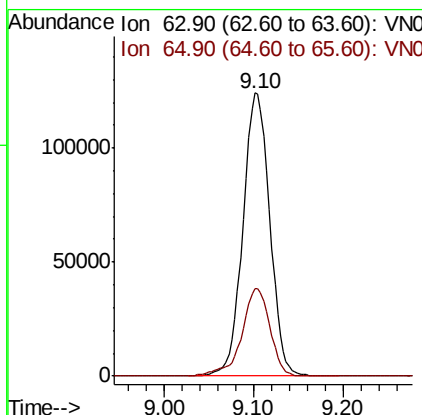
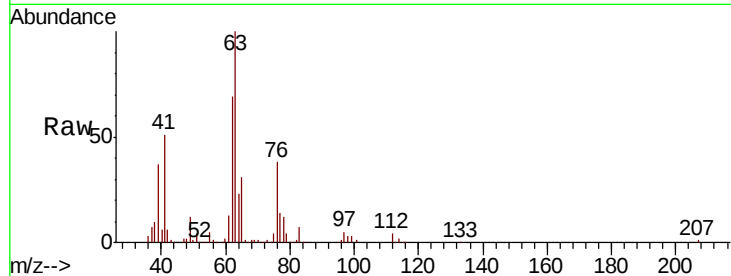
#45
 1,2-Dichloropropane
 Concen: 62.296 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.01 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	23.9	35.9

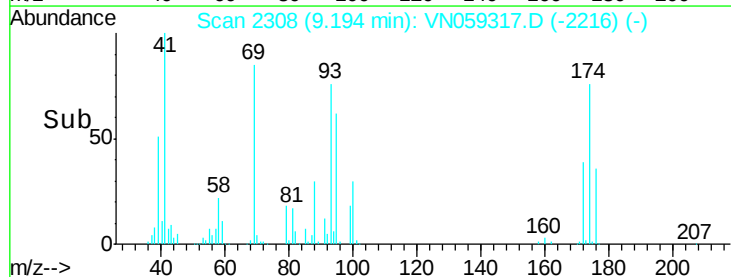
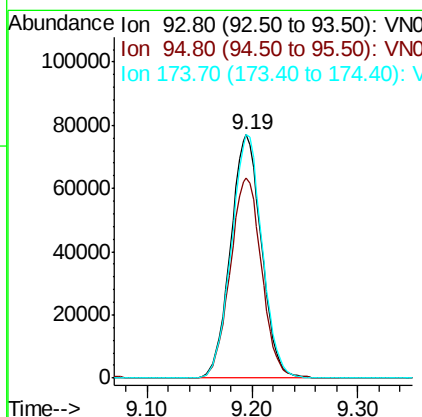
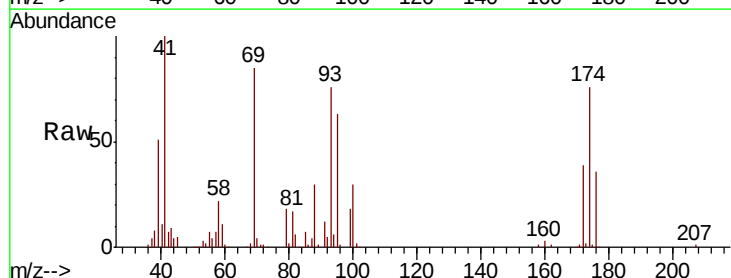
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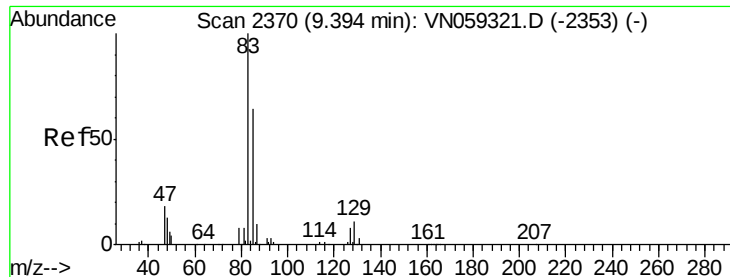
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#46
 Dibromomethane
 Concen: 61.062 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.9	100.3
174	99.7	80.6	120.8





#47

Bromodichloromethane

Concen: 62.776 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

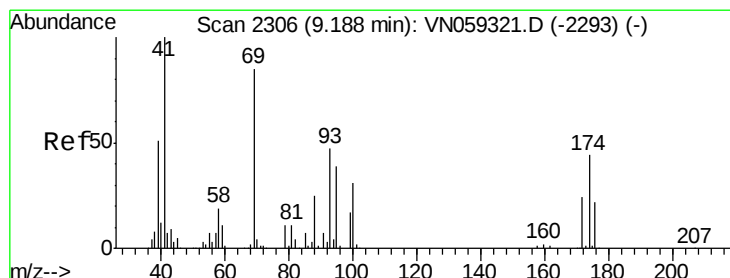
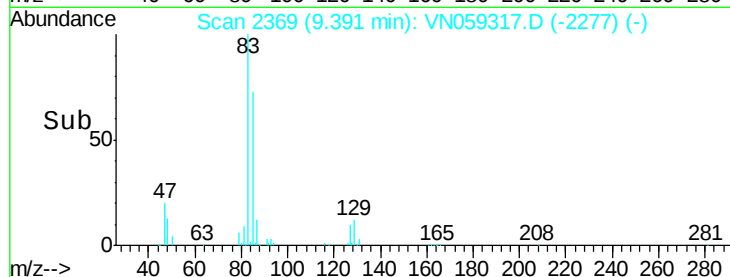
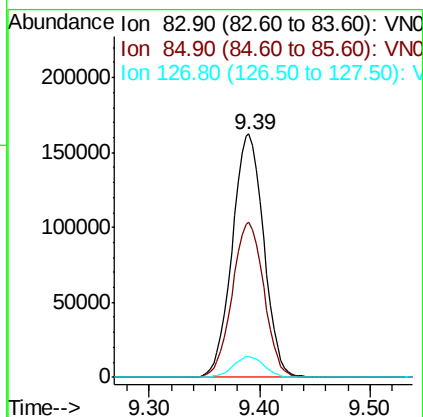
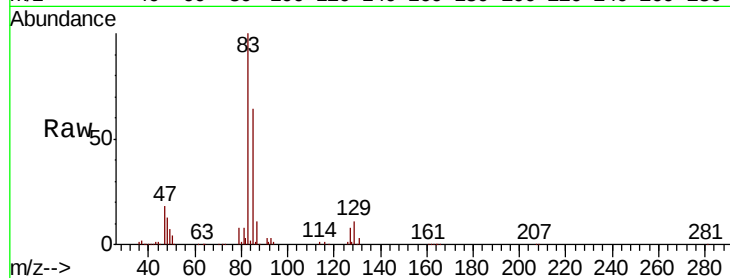
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	320857
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.5	77.3
127	8.5	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 62.053 ug/l

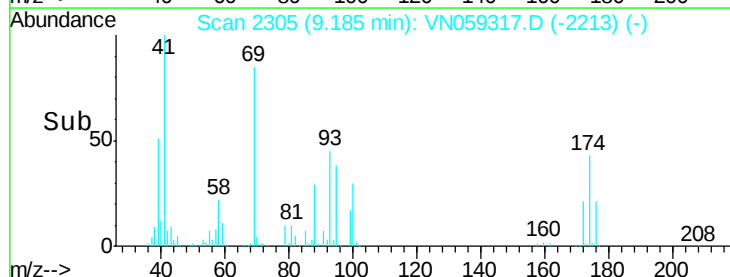
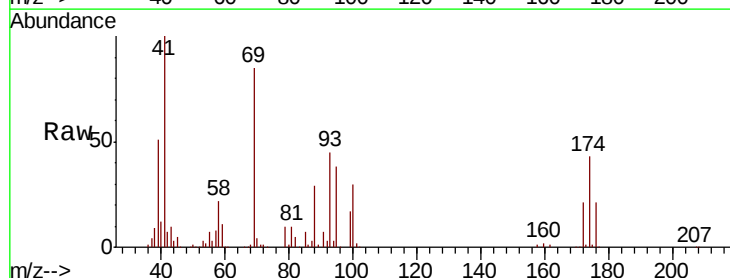
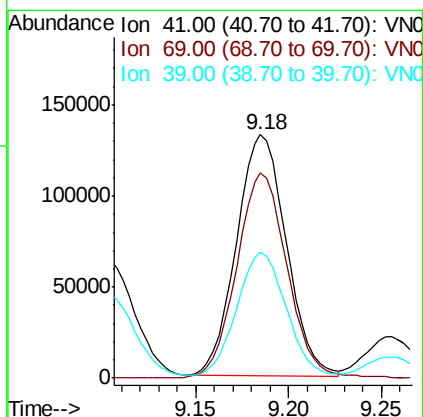
RT: 9.18 min Scan# 2305

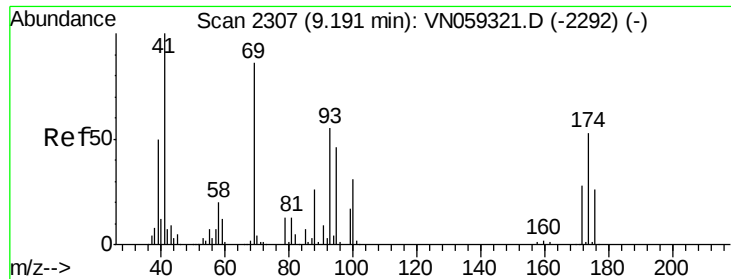
Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Tgt Ion:	41	Resp:	246402
Ion Ratio	Lower	Upper	
41	100		
69	86.6	68.8	103.2
39	52.4	42.1	63.1





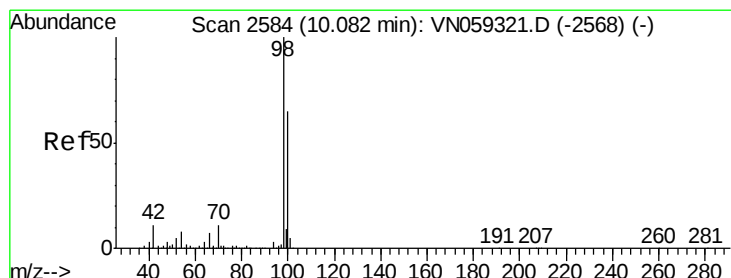
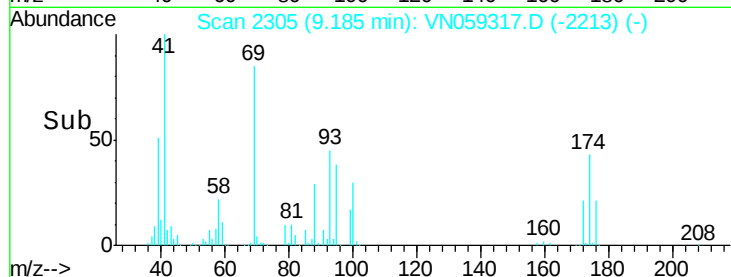
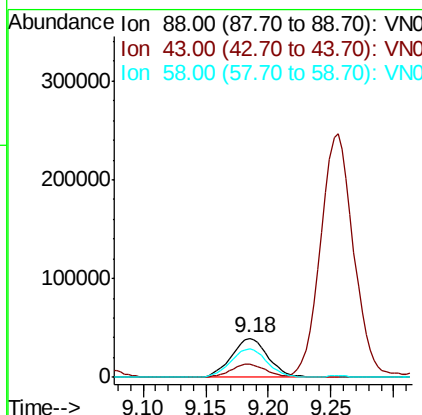
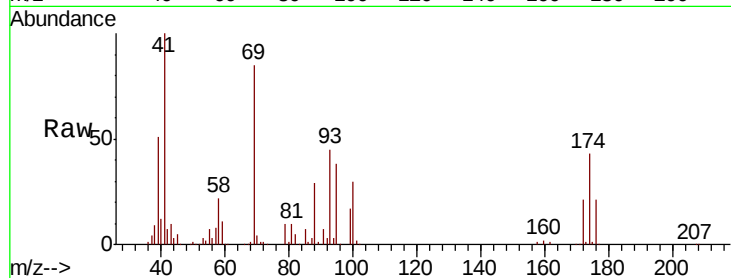
#49
1,4-Dioxane
Concen: 1347.171 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.3	26.9	40.3
58	73.4	59.2	88.8

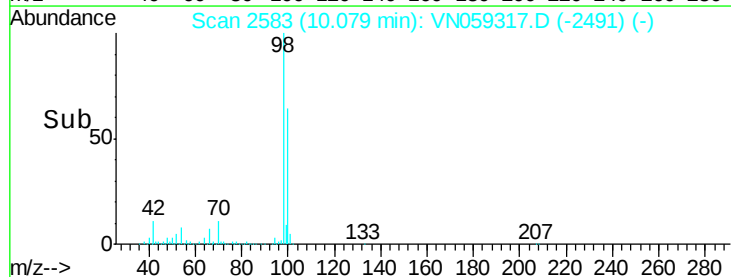
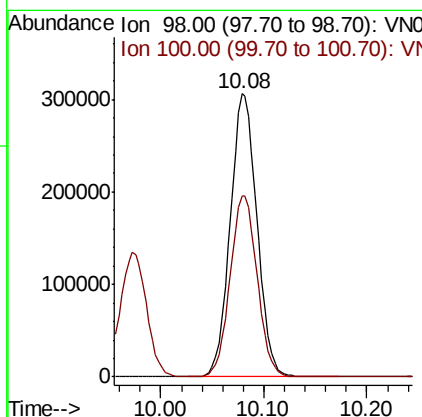
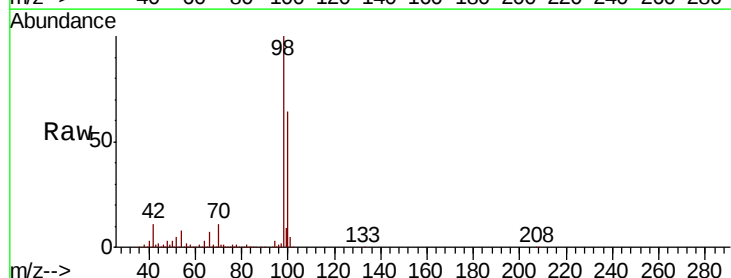
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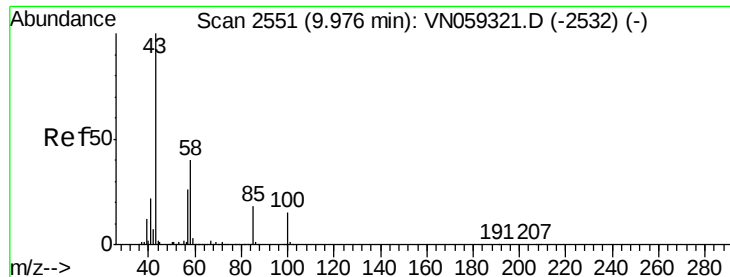
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#50
Toluene-d8
Concen: 45.037 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 325.726 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1664790

Ion Ratio Lower Upper

43 100

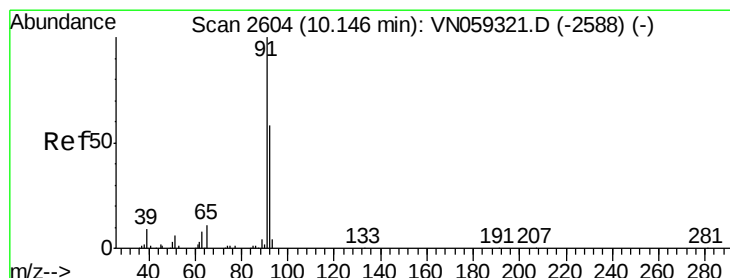
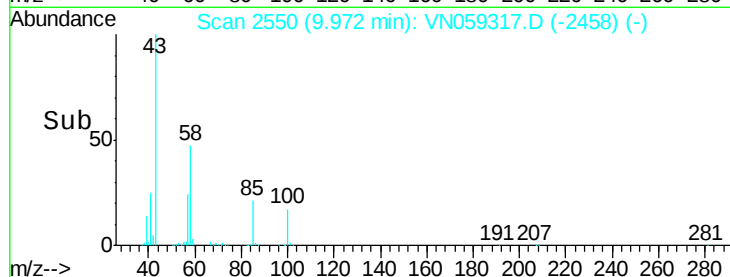
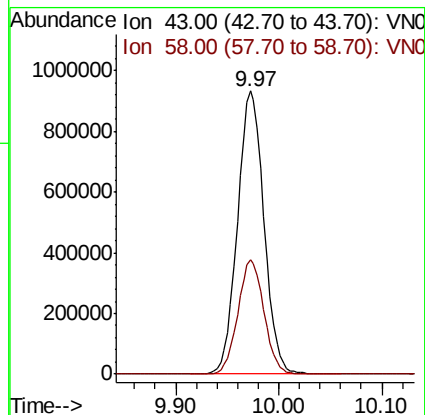
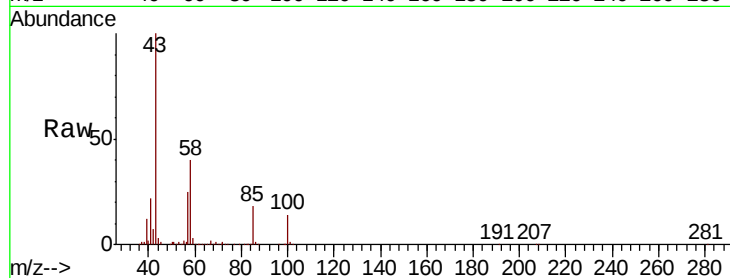
58 39.9 31.8 47.8

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#52

Toluene

Concen: 62.268 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059317.D

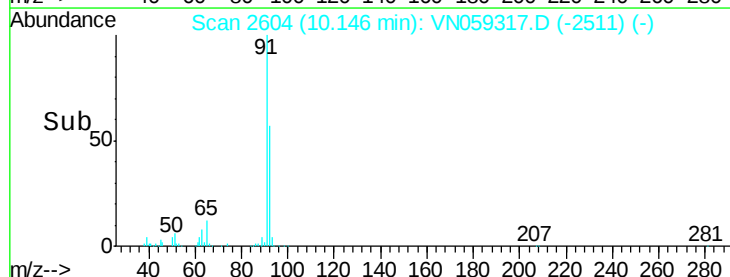
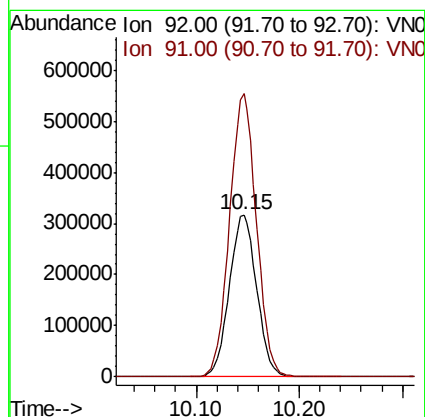
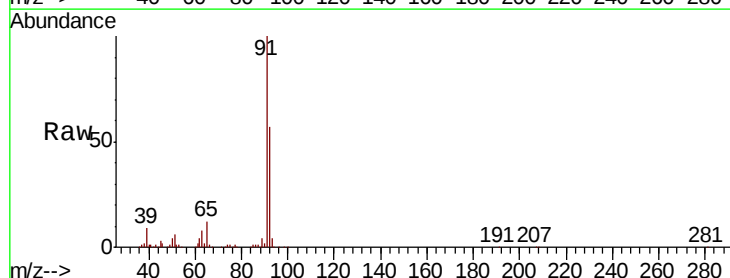
Acq: 20 Nov 2019 10:41

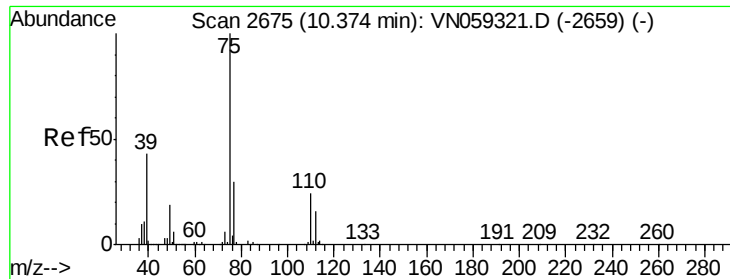
Tgt Ion: 92 Resp: 584209

Ion Ratio Lower Upper

92 100

91 172.1 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 62.184 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 369468

Ion Ratio Lower Upper

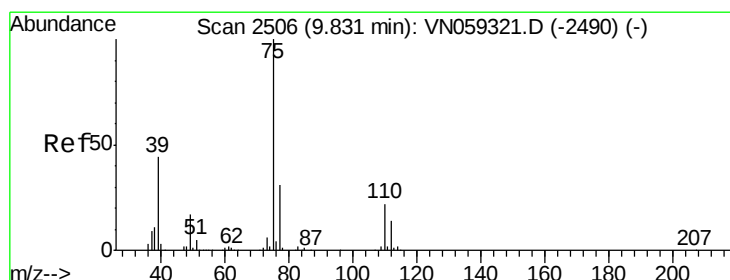
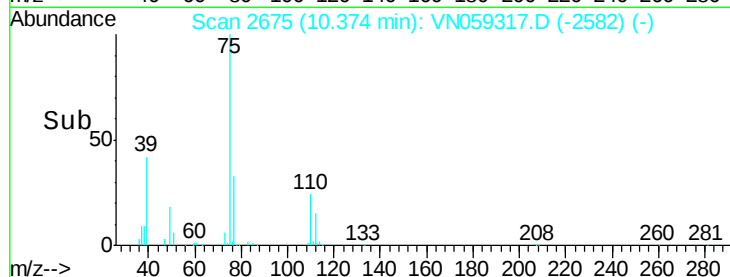
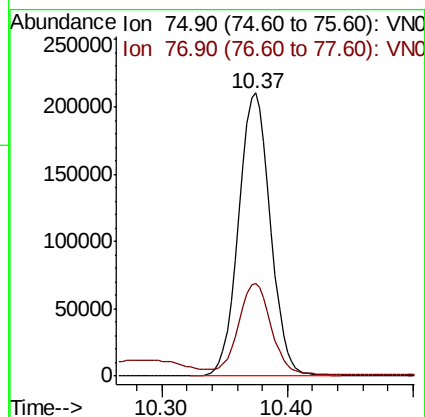
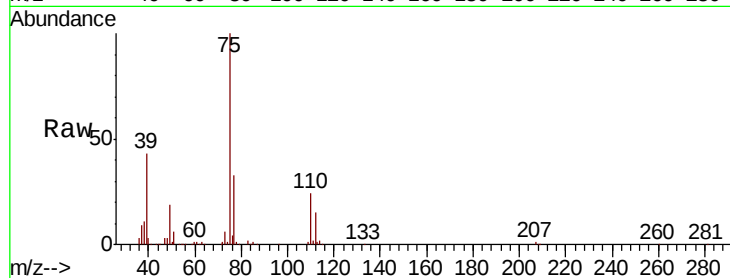
75 100

77 32.3 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 62.690 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

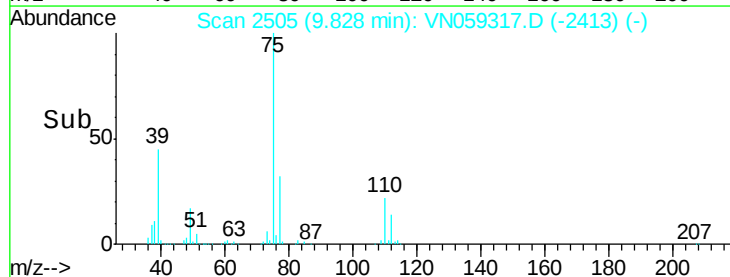
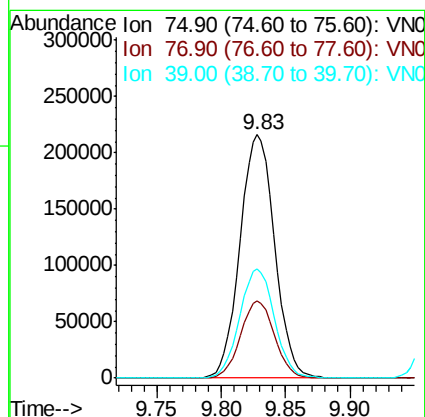
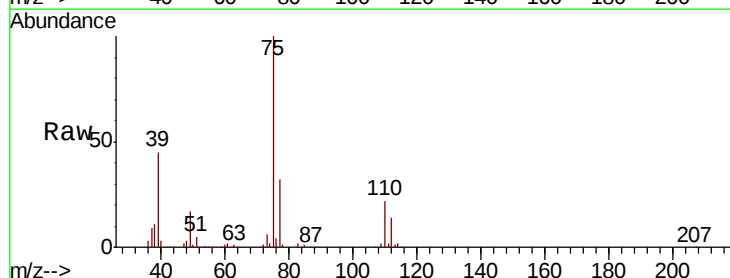
Tgt Ion: 75 Resp: 404182

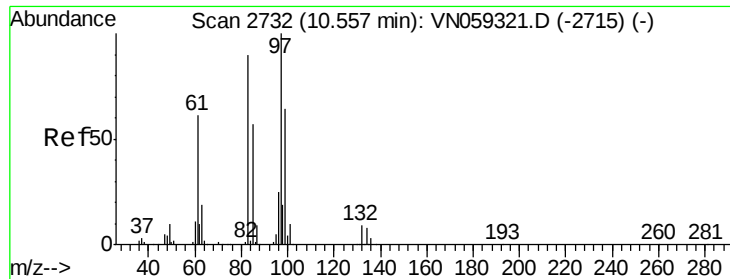
Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4

39 44.9 35.5 53.3





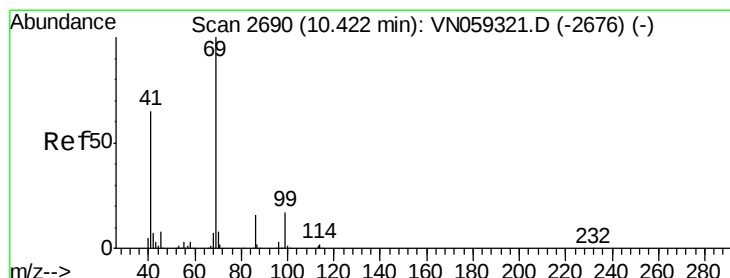
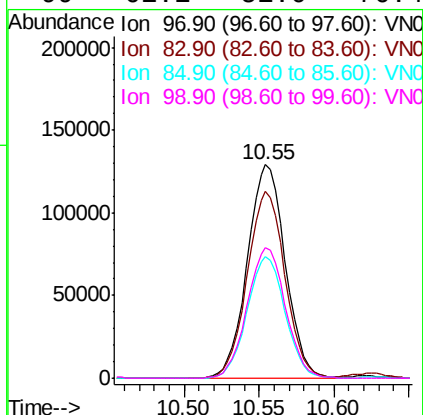
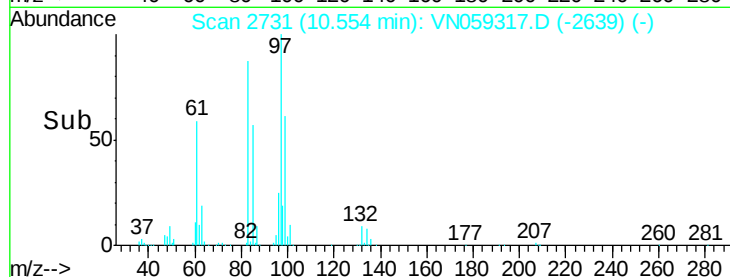
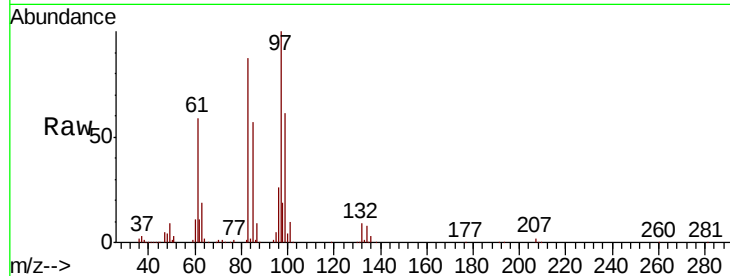
#55
 1,1,2-Trichloroethane
 Concen: 62.477 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		227908		
83	87.3	72.0	108.0		
85	56.8	45.8	68.6		
99	61.1	51.0	76.4		

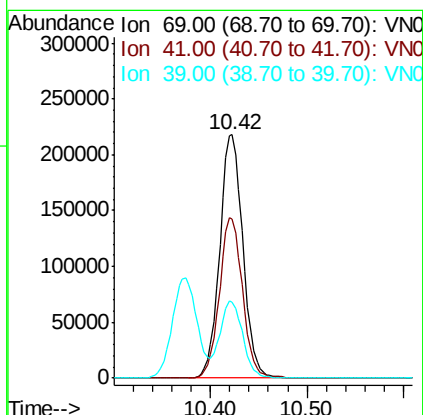
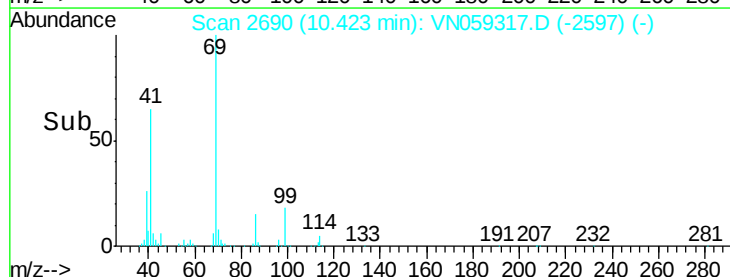
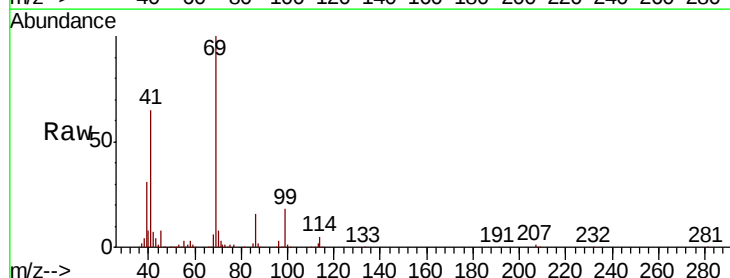
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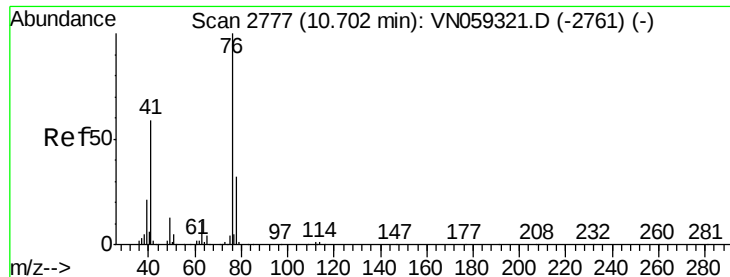
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#56
 Ethyl methacrylate
 Concen: 58.365 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		361940		
41	65.0	51.7	77.5		
39	30.8	25.2	37.8		





#57

1,3-Dichloropropane

Concen: 62.572 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 397824

Ion Ratio Lower Upper

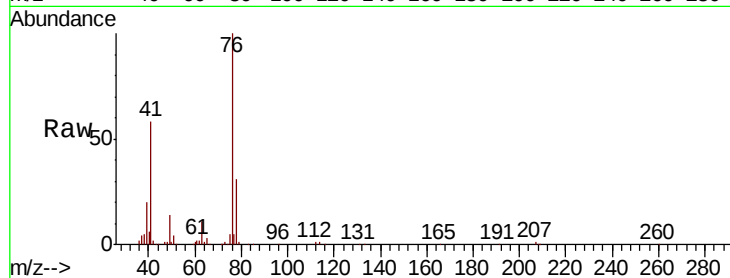
76 100

78 31.9 26.0 39.0

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

200000

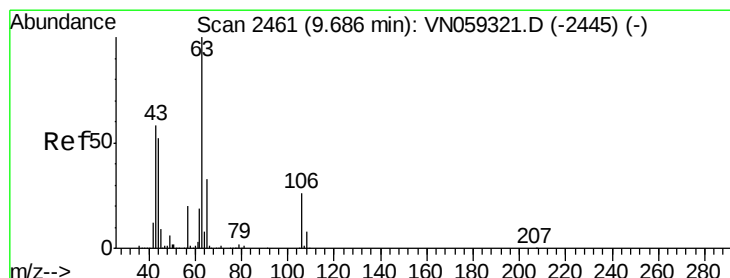
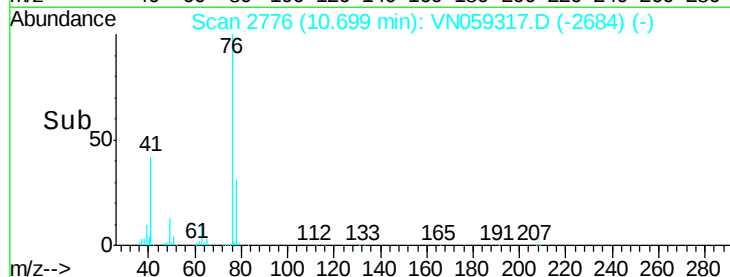
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 200.929 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059317.D

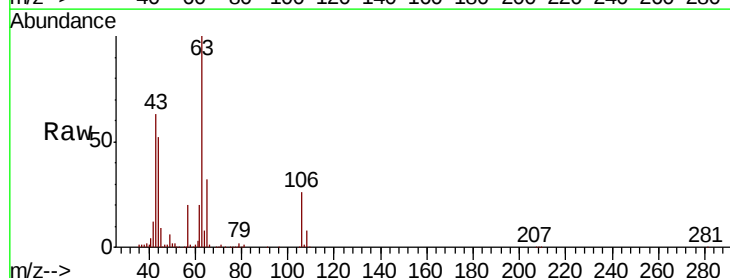
Acq: 20 Nov 2019 10:41

Tgt Ion: 63 Resp: 443243

Ion Ratio Lower Upper

63 100

106 25.7 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

250000

200000

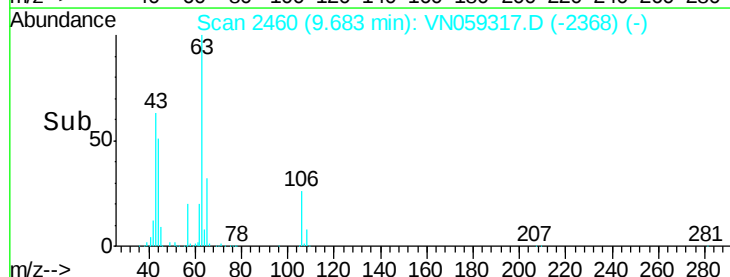
150000

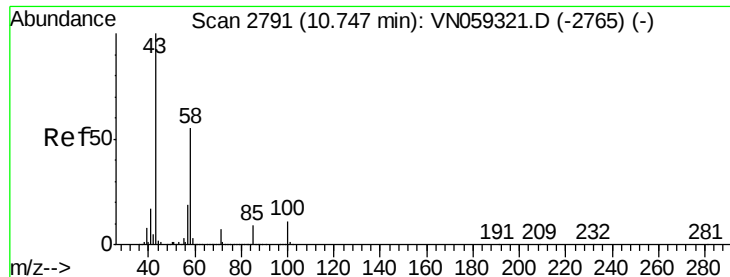
100000

50000

0

Time--> 9.60 9.65 9.70 9.75





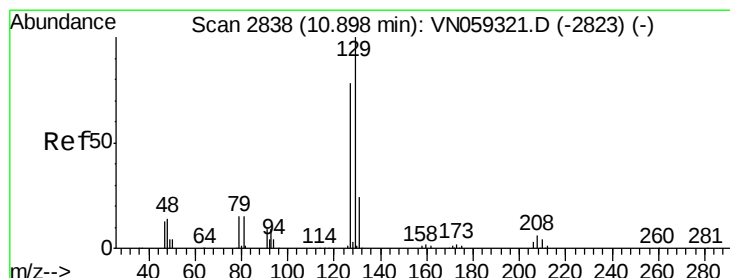
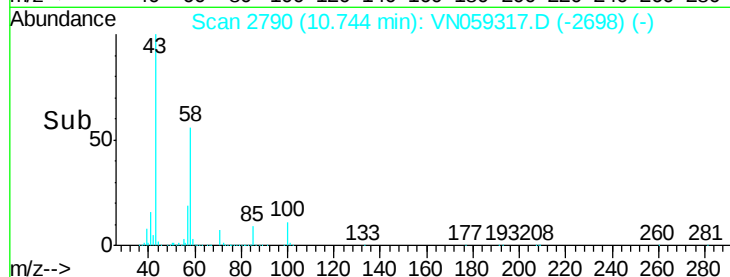
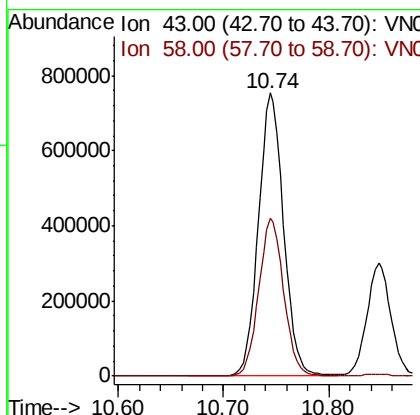
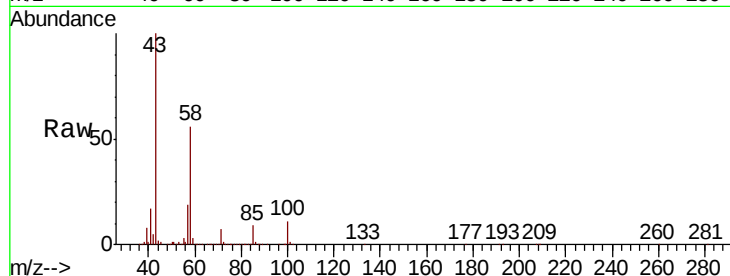
#59
2-Hexanone
Concen: 334.649 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1252430
Ion Ratio Lower Upper
43 100
58 55.6 27.7 83.0

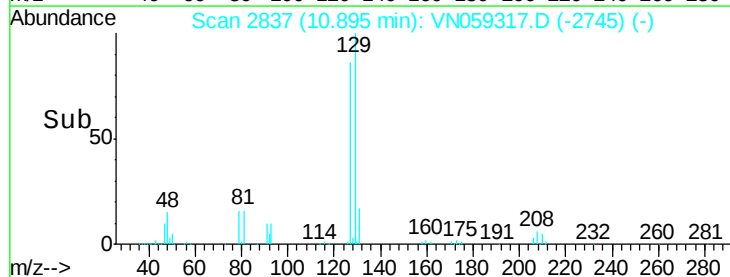
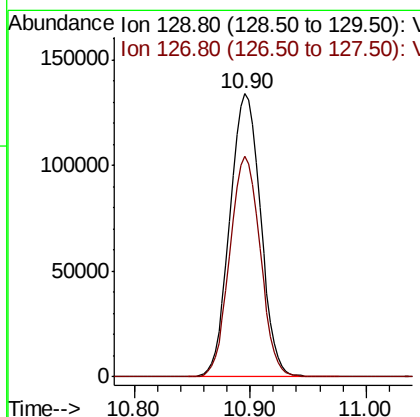
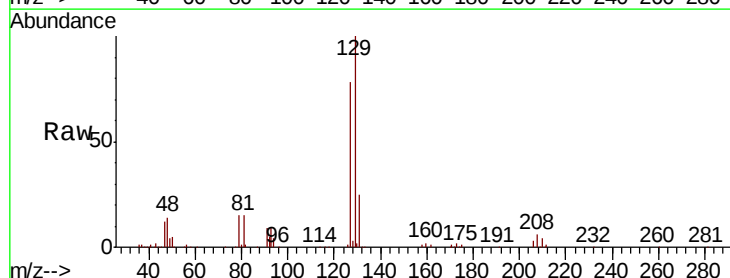
Manual Integrations
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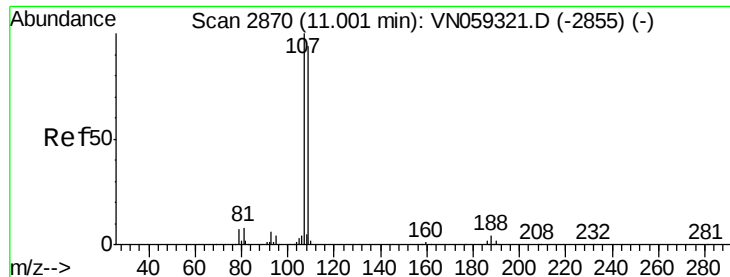
MMDadoda
11/21/2019 11:07:26 AM



#60
Dibromochloromethane
Concen: 63.814 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion: 129 Resp: 245300
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





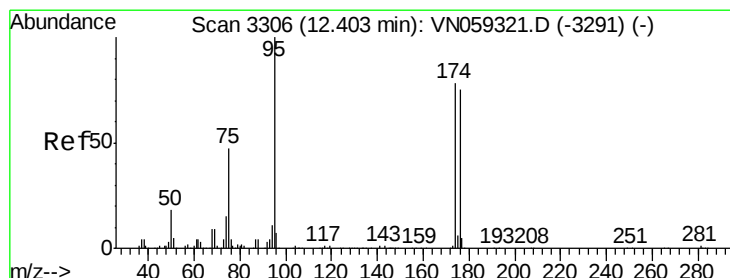
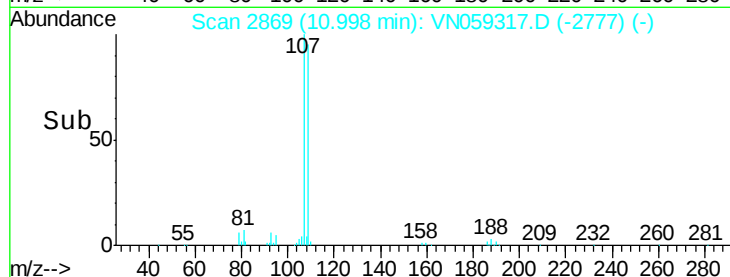
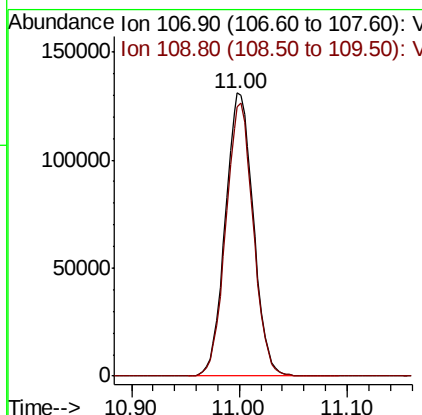
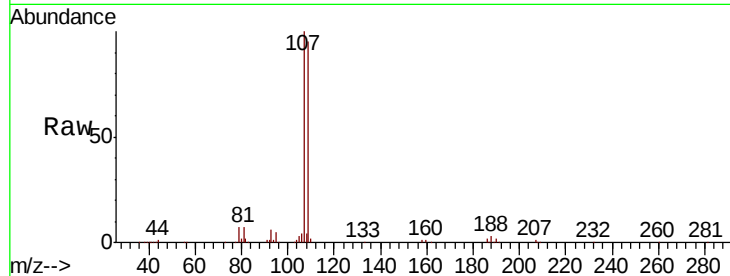
#61
 1,2-Dibromoethane
 Concen: 62.440 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2

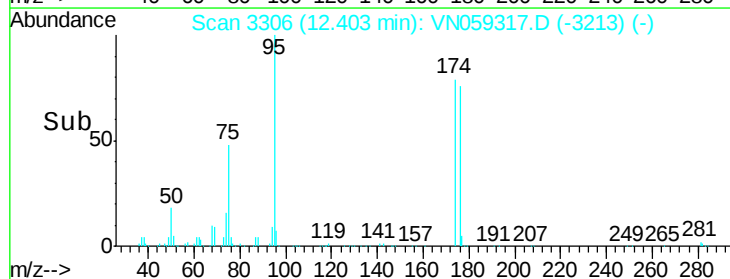
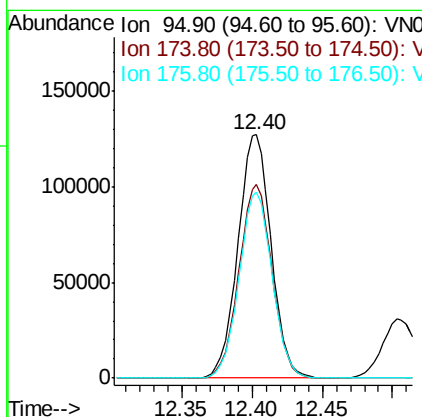
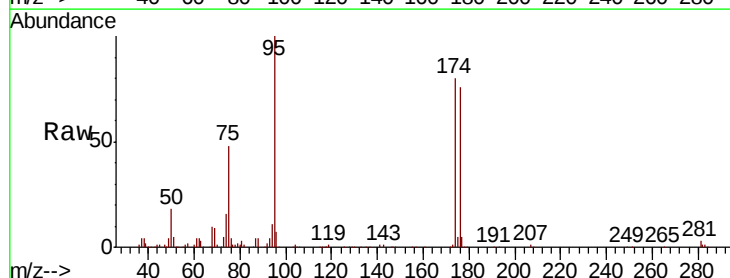
Manual Integrations
 APPROVED

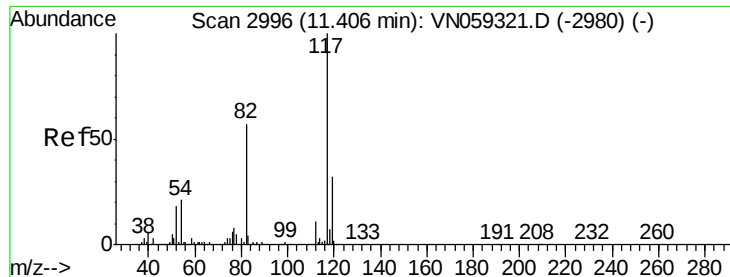
MMDadoda
 11/21/2019 11:07:26 AM



#62
 4-Bromofluorobenzene
 Concen: 48.833 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.4	0.0	157.4
176	76.1	0.0	151.2





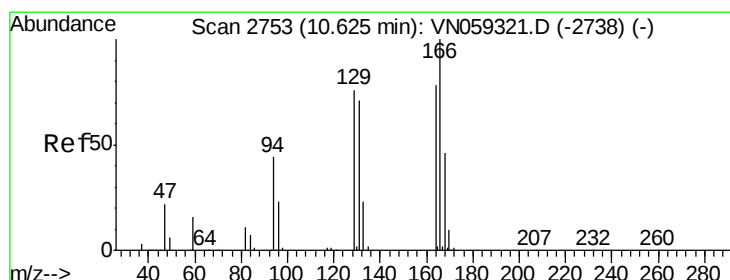
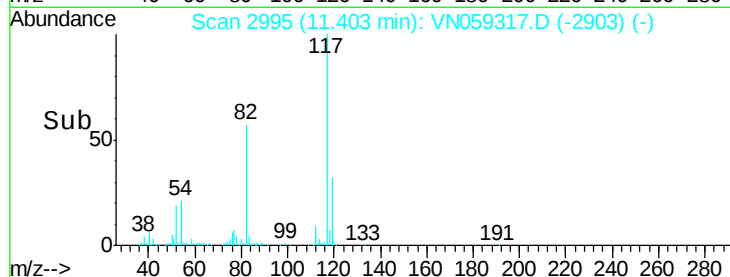
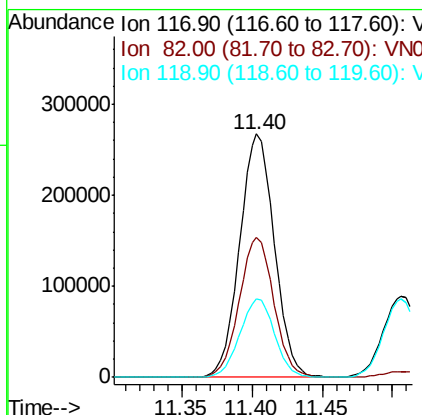
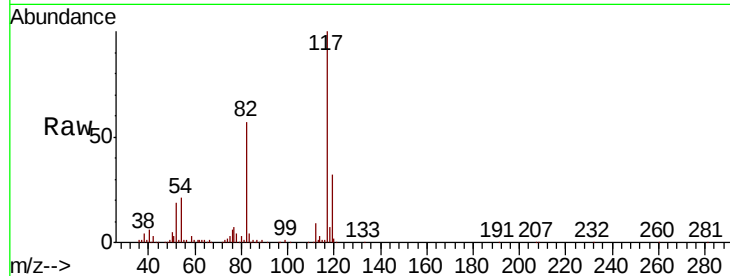
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.7	68.5
119	32.0	25.8	38.6

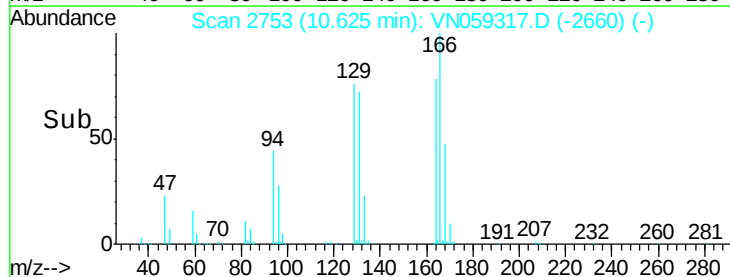
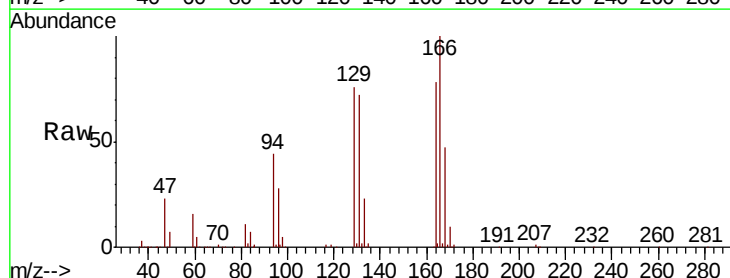
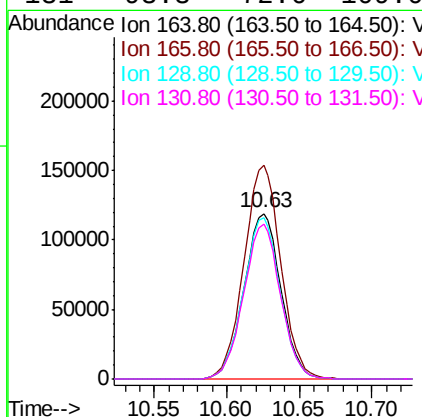
Manual Integrations
APPROVED

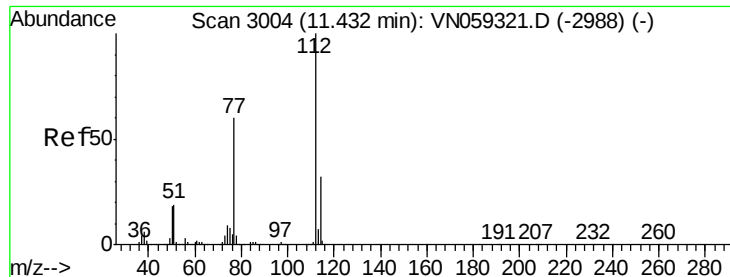
MMDadoda
11/21/2019 11:07:26 AM



#64
Tetrachloroethene
Concen: 59.130 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.9	154.3
129	97.5	78.2	117.2
131	93.3	72.6	109.0





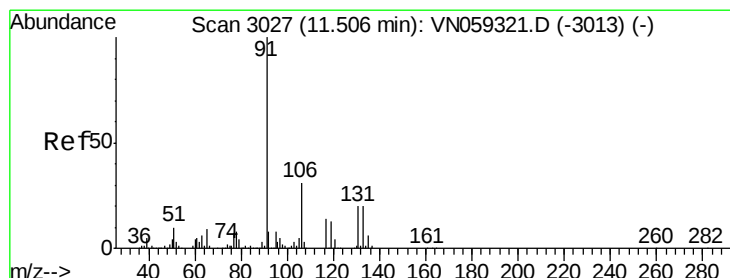
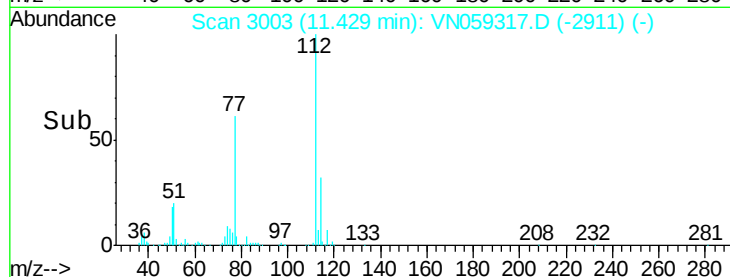
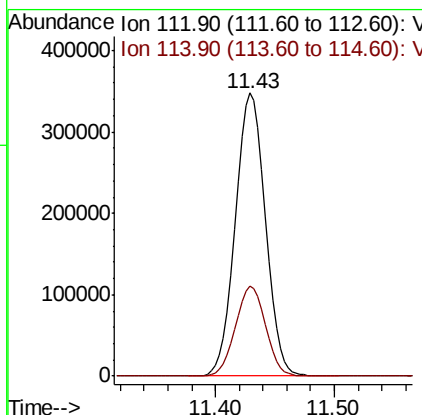
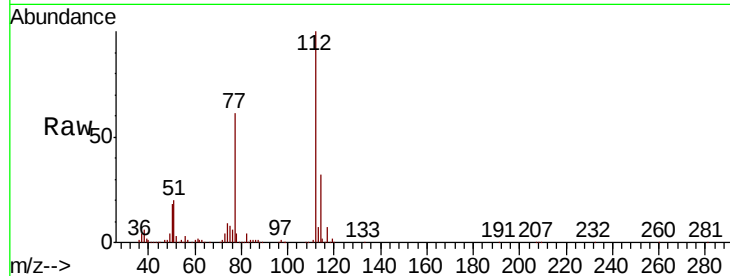
#65
Chlorobenzene
Concen: 61.342 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.8	38.6

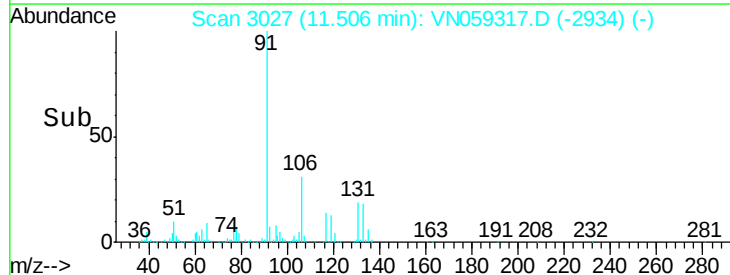
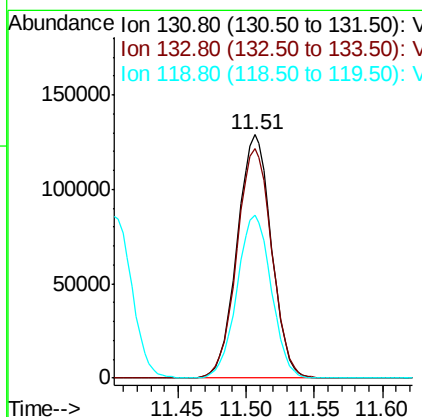
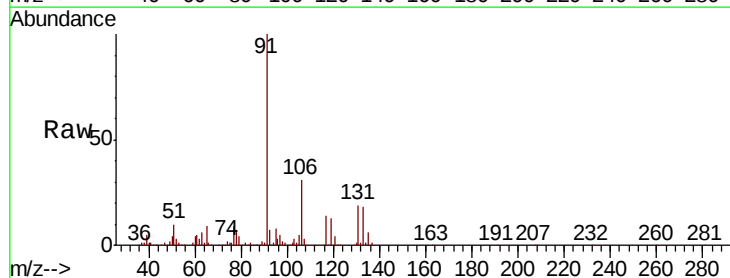
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 62.329 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.2	144.6
119	67.1	33.6	100.6





#67

Ethyl Benzene

Concen: 63.251 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1120721

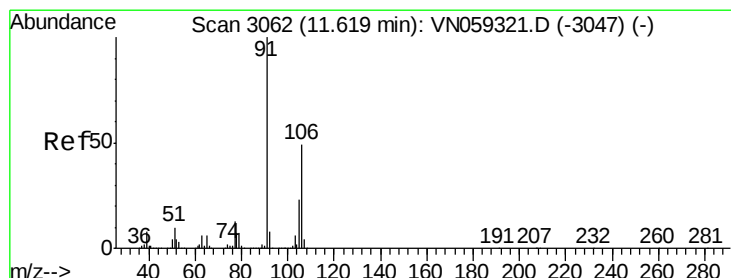
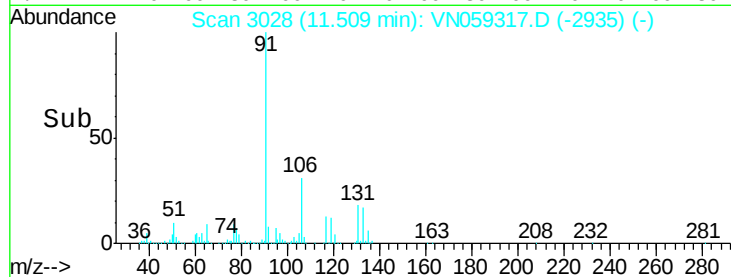
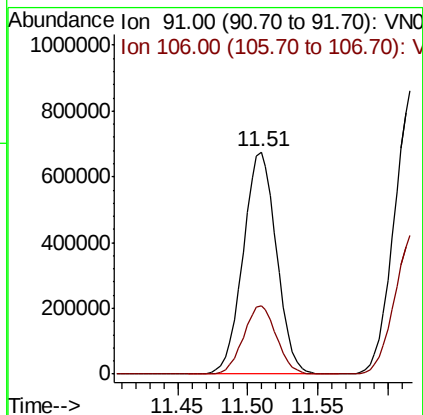
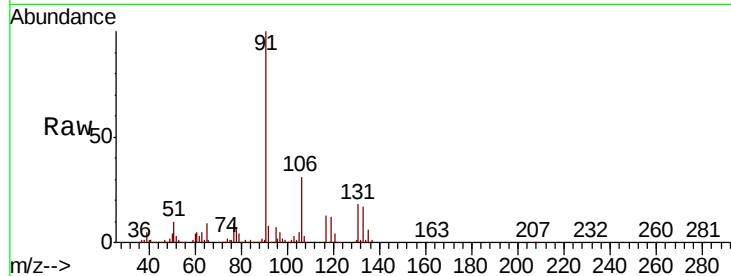
Ion Ratio Lower Upper

91 100

106 30.8 24.6 37.0

Manual Integrations
APPROVED

MMDadoda
11/21/2019 11:07:26 AM



#68

m/p-Xylenes

Concen: 127.318 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059317.D

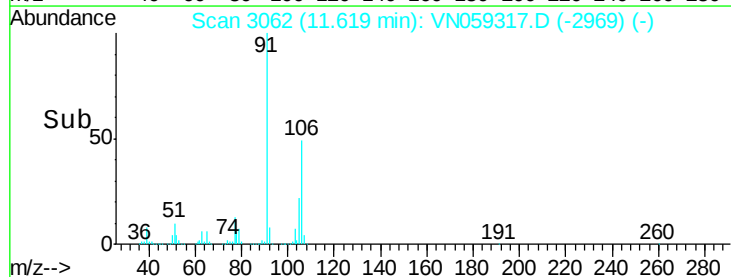
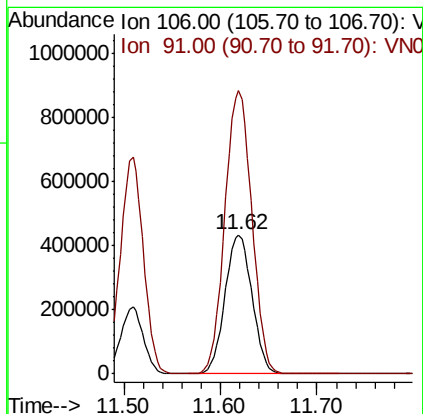
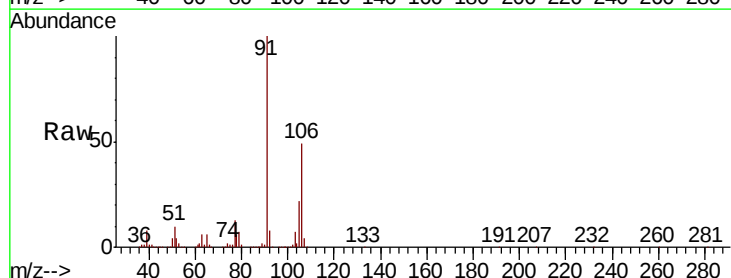
Acq: 20 Nov 2019 10:41

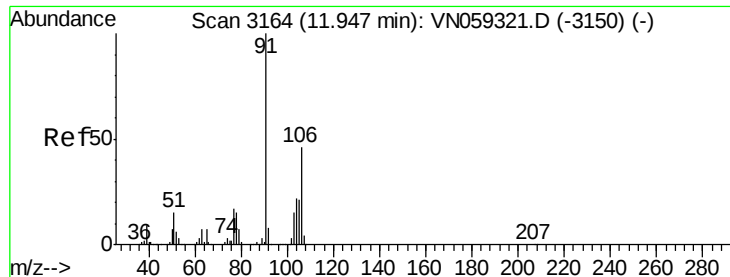
Tgt Ion: 106 Resp: 838256

Ion Ratio Lower Upper

106 100

91 204.0 163.2 244.8





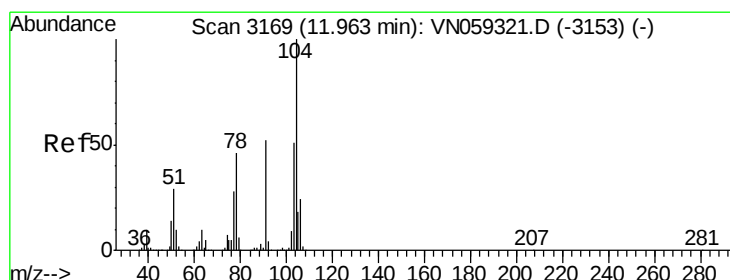
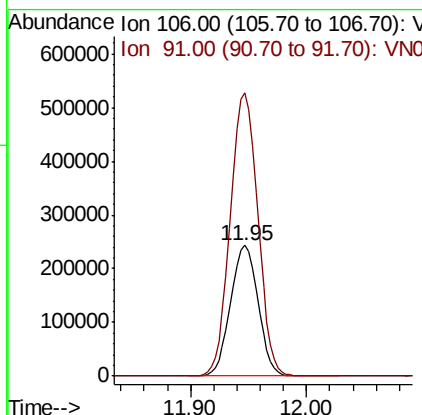
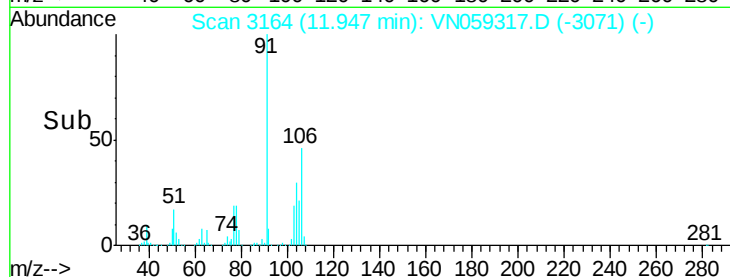
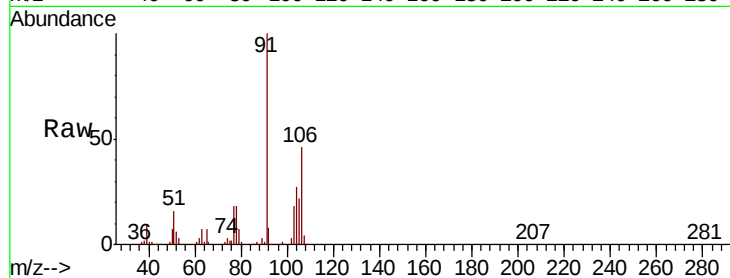
#69
o-Xylene
Concen: 63.251 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 398680
Ion Ratio Lower Upper
106 100
91 217.2 109.3 327.9

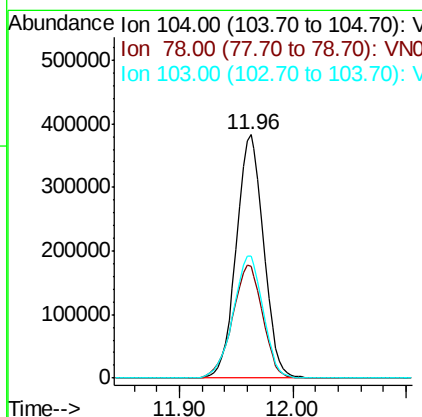
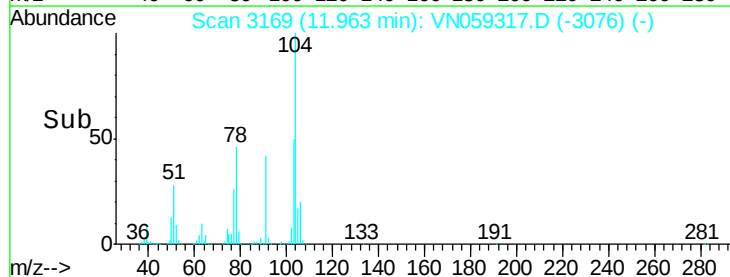
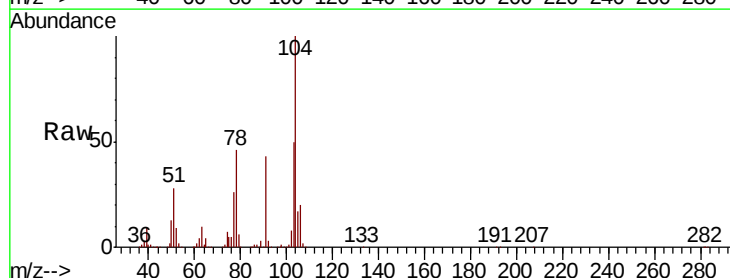
Manual Integrations
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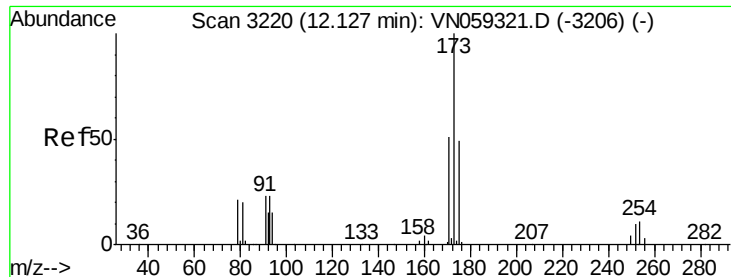
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#70
Styrene
Concen: 64.992 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion:104 Resp: 646393
Ion Ratio Lower Upper
104 100
78 51.1 40.3 60.5
103 54.7 43.6 65.4





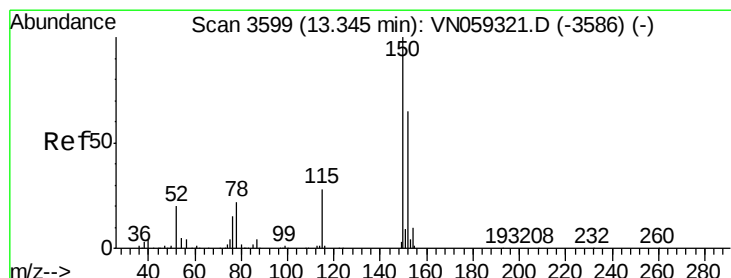
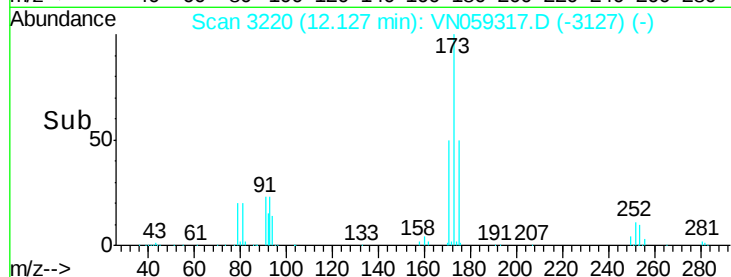
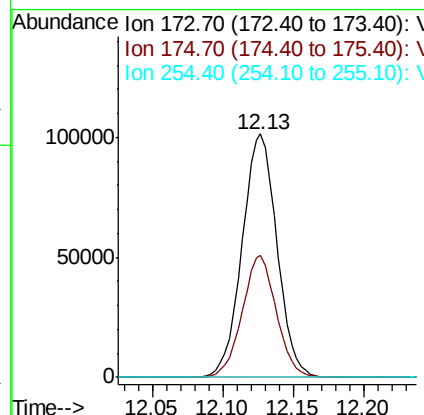
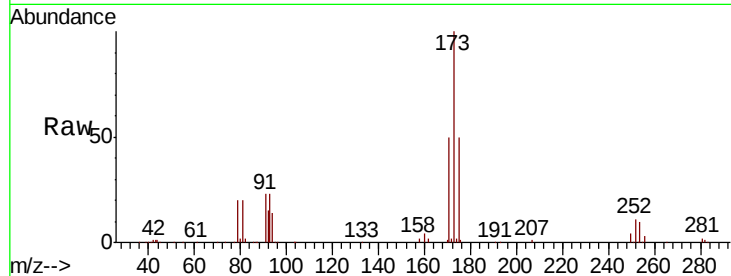
#71
Bromoform
Concen: 64.257 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
173	100	175440		
175	49.1	24.6	73.6	
254	0.0	0.1	0.1#	

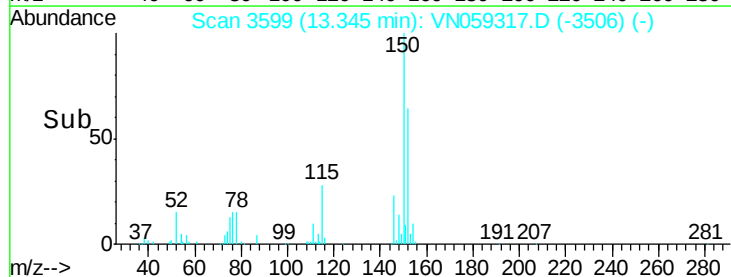
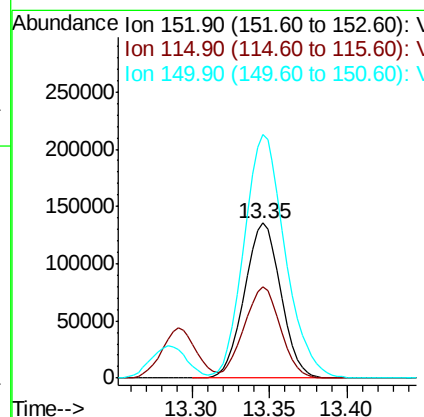
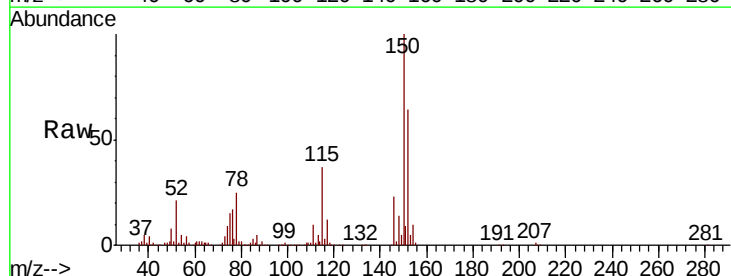
Manual Integrations
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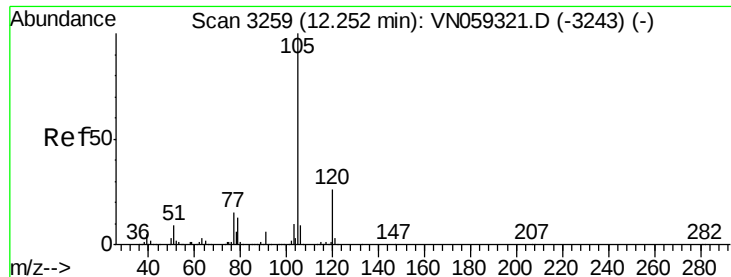
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	222047		
115	58.7	29.3	88.0	
150	177.0	0.0	346.0	





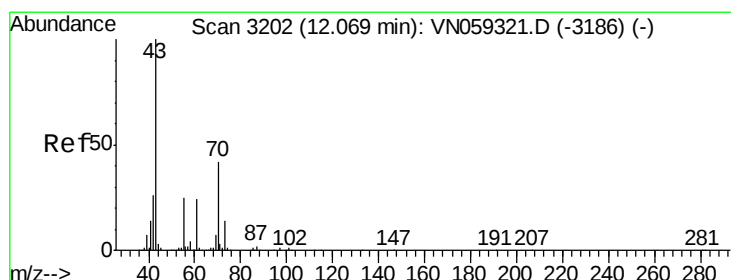
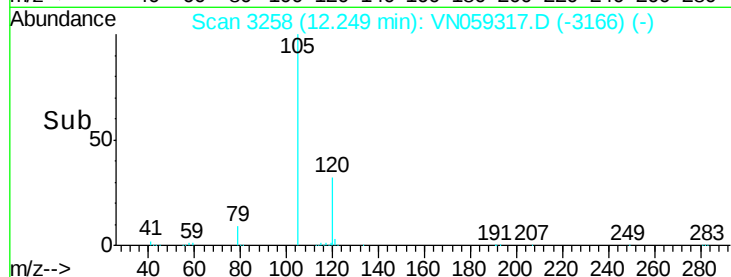
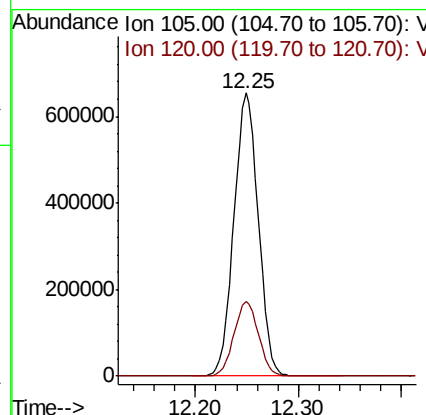
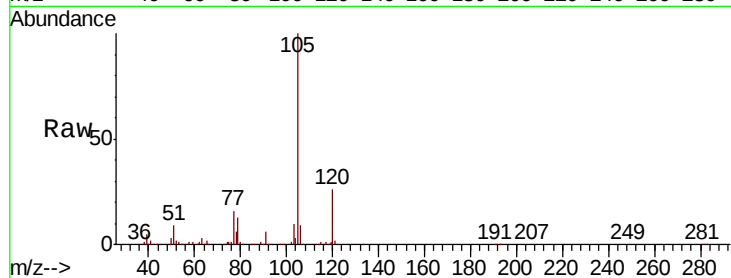
#73
Isopropylbenzene
Concen: 59.237 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3

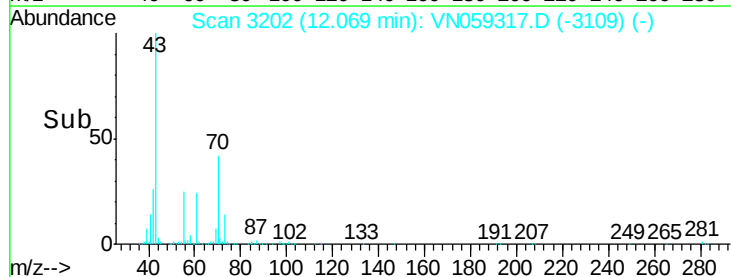
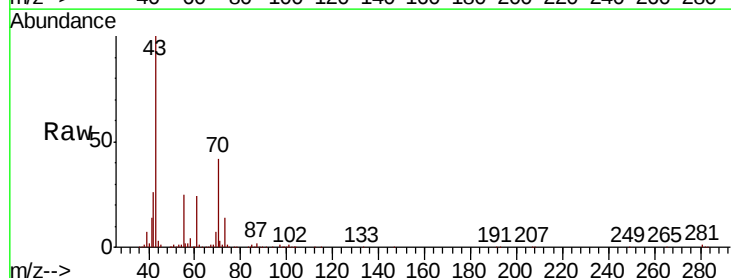
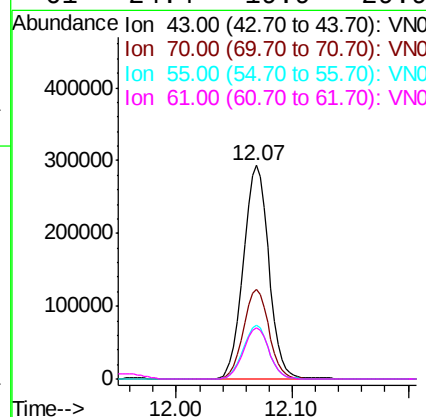
Manual Integrations
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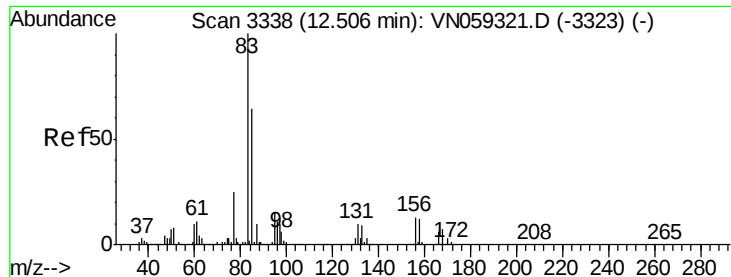
MMDadoda
11/21/2019 11:07:26 AM



#74
N-ethyl acetate
Concen: 60.874 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.5	33.8	50.6
55	25.4	20.3	30.5
61	24.4	19.9	29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 57.023 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

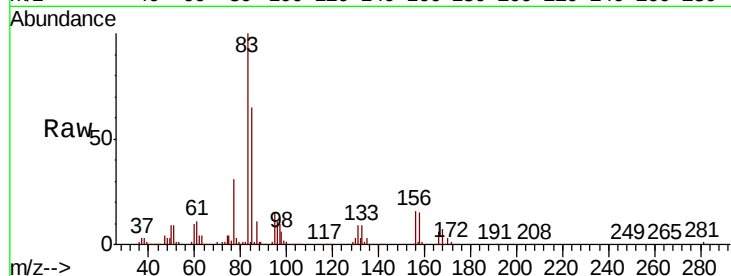
ClientSampleId :

VSTDCCC050

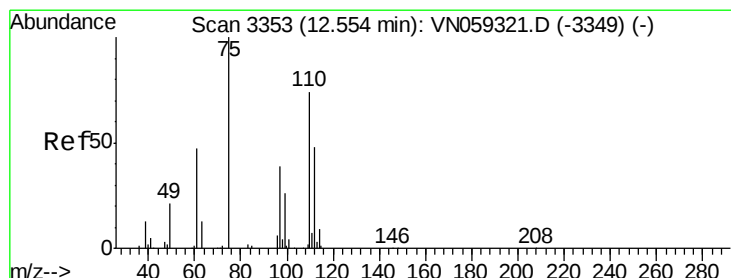
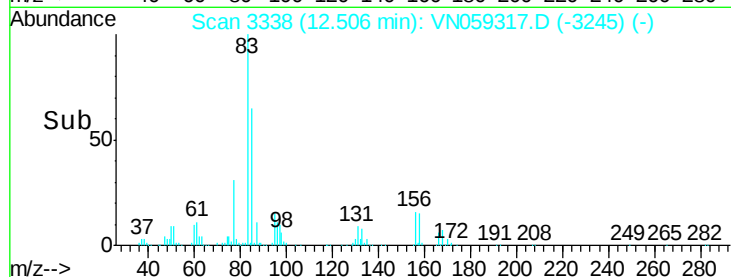
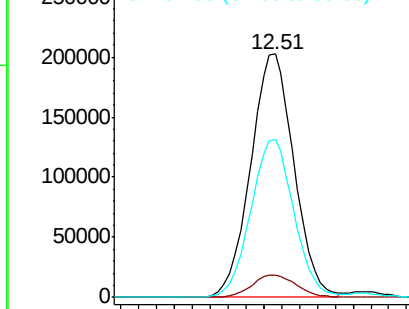
Tot Ion:	83	Resp:	343117
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	14.9
85	64.4	32.1	96.3

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 59.021 ug/l m

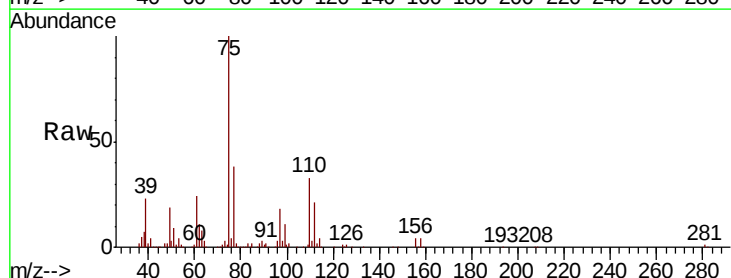
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

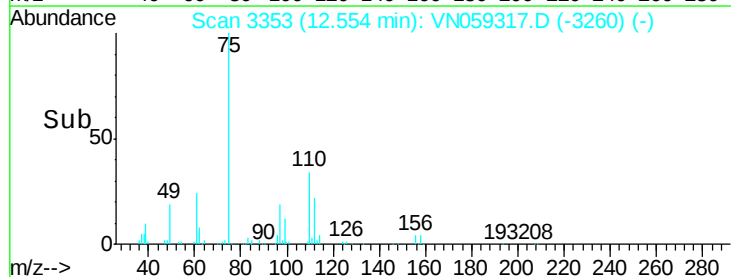
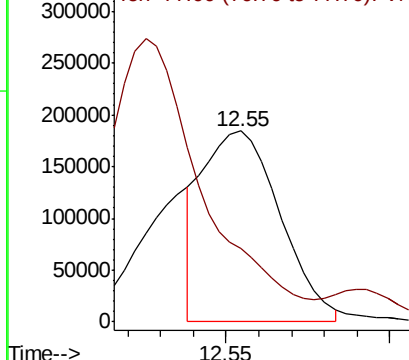
Lab File: VN059317.D

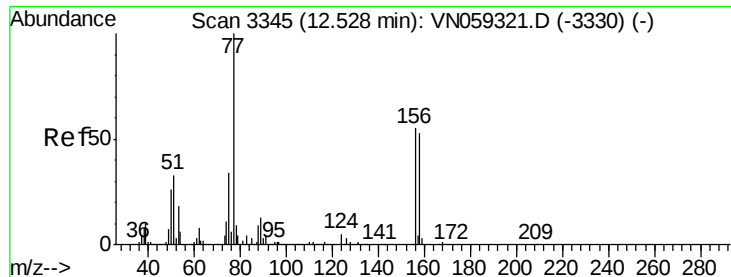
Acq: 20 Nov 2019 10:41

Tgt Ion:	75	Resp:	302768
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 57.377 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

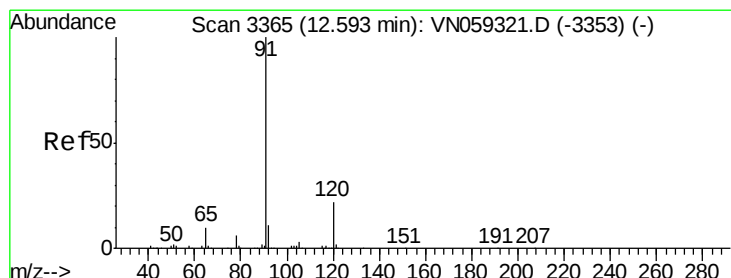
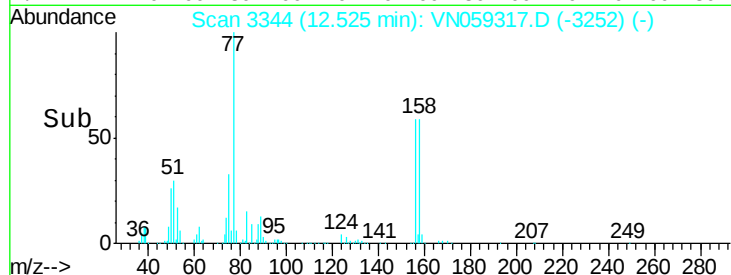
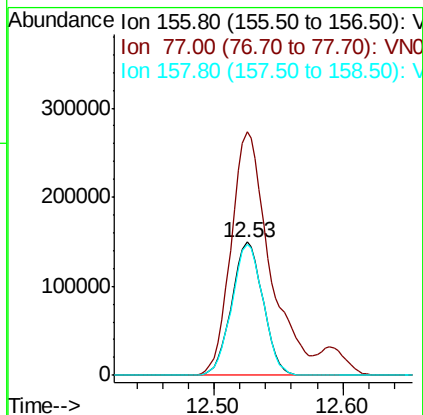
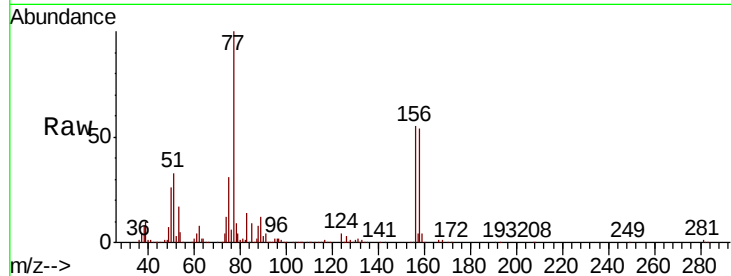
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	224.5	111.1	333.4
158	98.4	47.8	143.4

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#78

n-propylbenzene

Concen: 61.228 ug/l

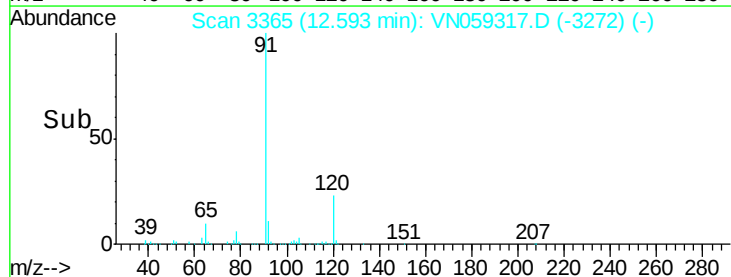
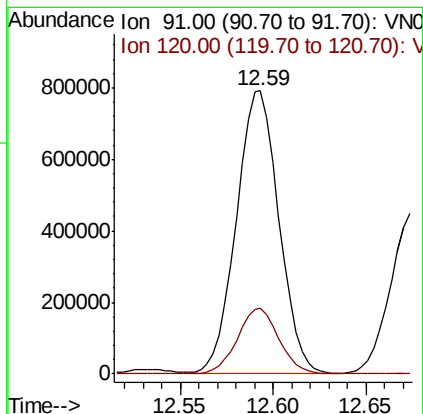
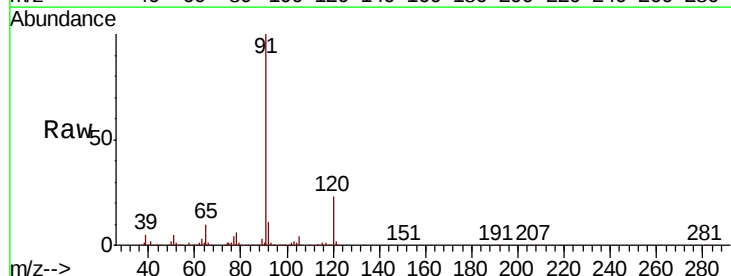
RT: 12.59 min Scan# 3365

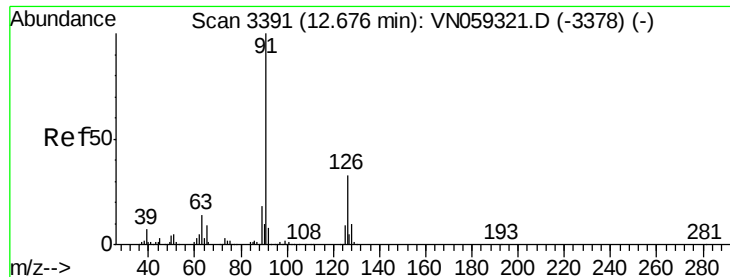
Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9





#79

2-Chlorotoluene

Concen: 58.722 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 742651

Ion Ratio Lower Upper

91 100

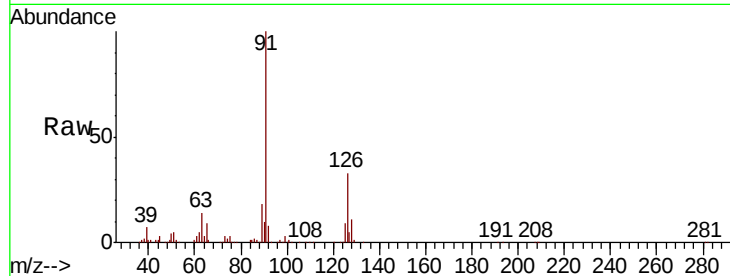
126 33.1 16.7 50.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059321.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059321.D (-3378) (-)

600000

400000

200000

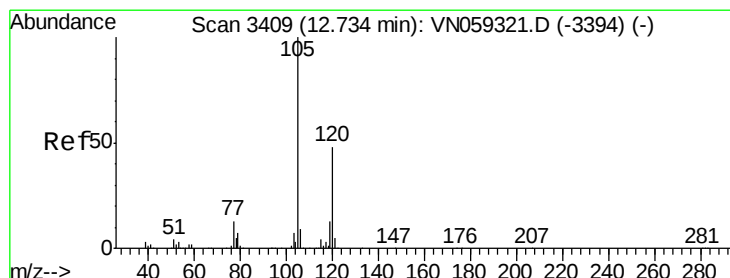
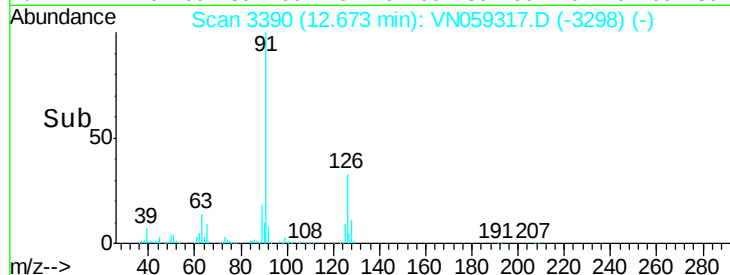
0

12.67

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 60.128 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059317.D

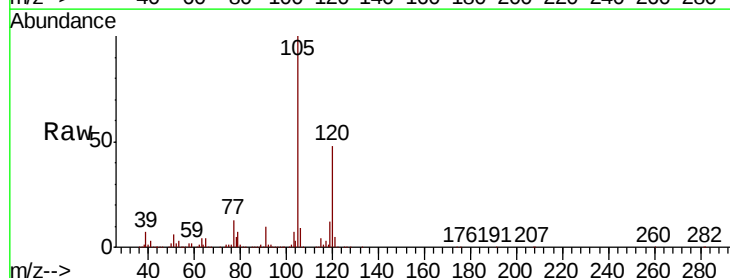
Acq: 20 Nov 2019 10:41

Tgt Ion: 105 Resp: 919418

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059321.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059321.D (-3394) (-)

600000

400000

200000

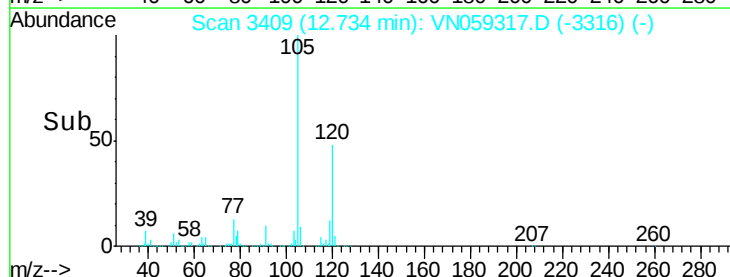
0

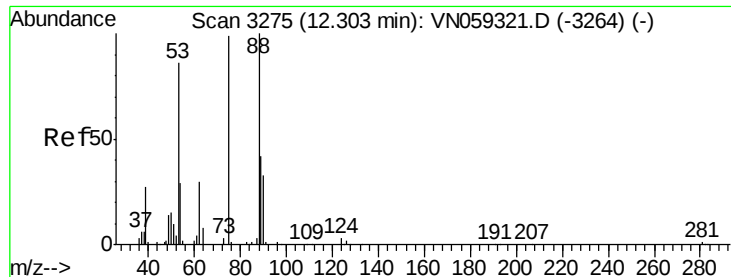
12.73

12.70

12.80

Time-->





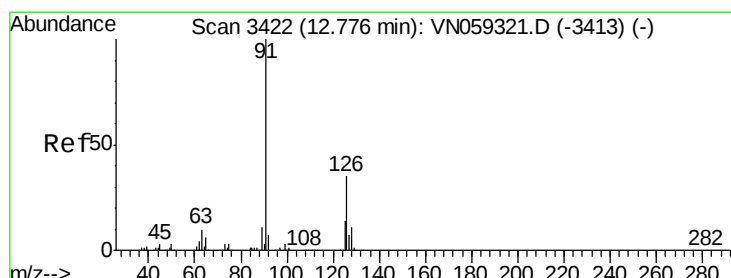
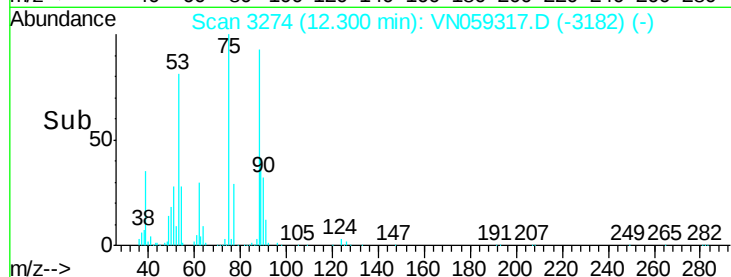
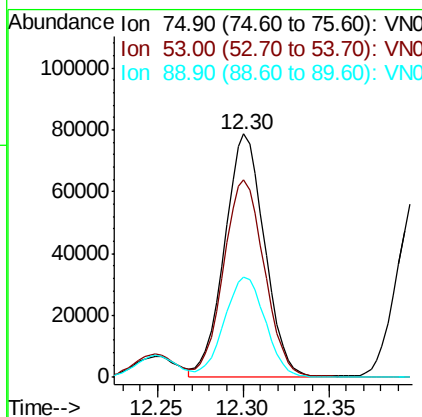
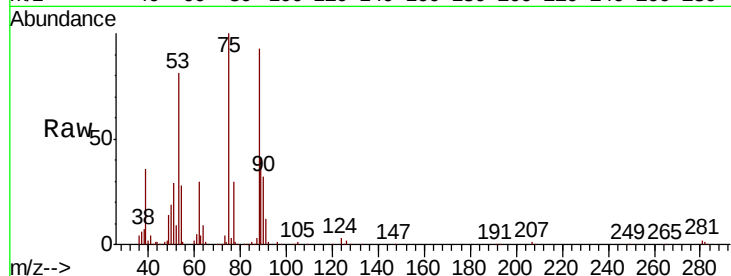
#81
trans-1,4-Dichloro-2-butene
Concen: 61.949 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.6	70.7	106.1
89	42.4	35.4	53.0

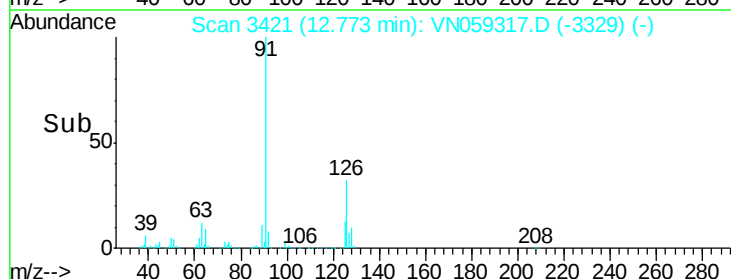
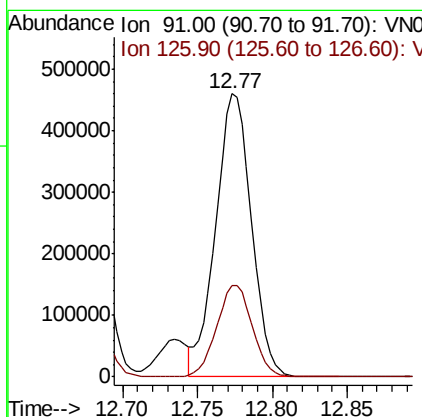
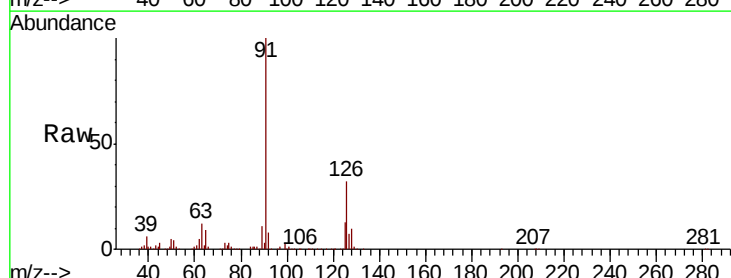
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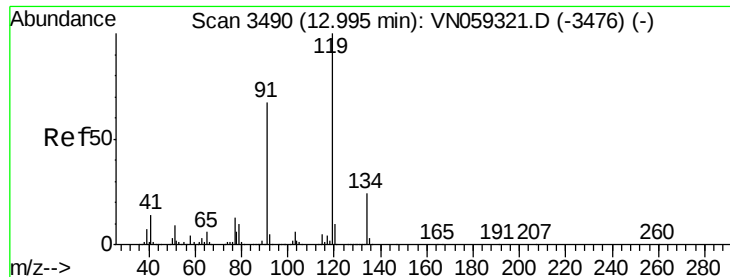
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#82
4-Chlorotoluene
Concen: 58.322 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.6





#83

tert-Butylbenzene

Concen: 59.792 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

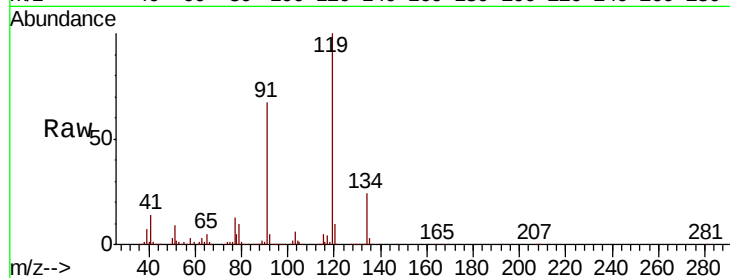
ClientSampleId :

VSTDCCC050

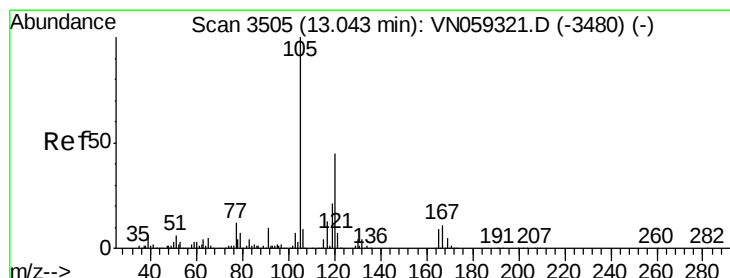
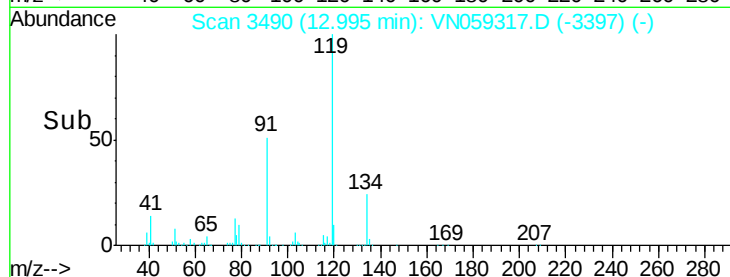
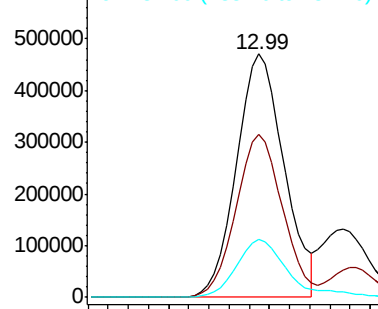
Tot Ion:	119	Resp:	772165
Ion Ratio	Lower	Upper	
119	100		
91	65.4	32.8	98.4
134	25.6	13.0	38.9

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 60.050 ug/l

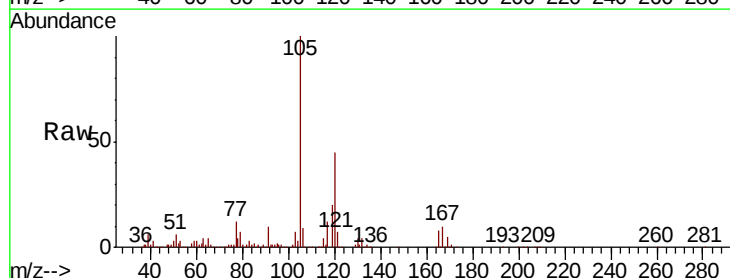
RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

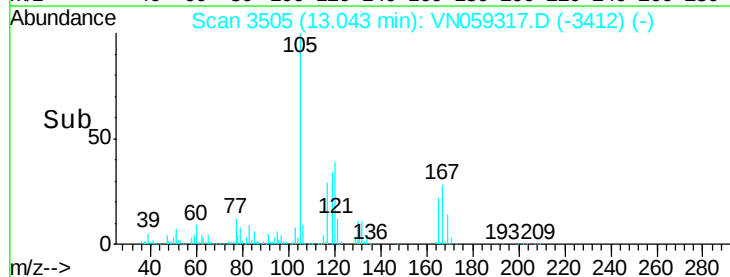
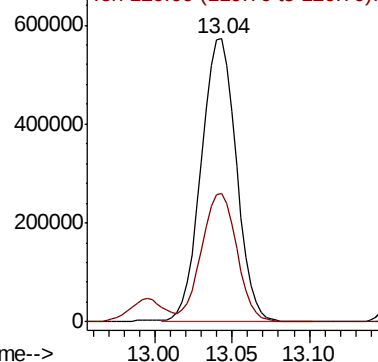
Lab File: VN059317.D

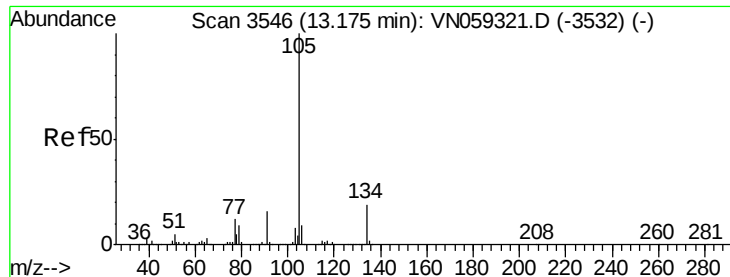
Acq: 20 Nov 2019 10:41

Tgt Ion:	105	Resp:	899466
Ion Ratio	Lower	Upper	
105	100		
120	45.7	22.6	67.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 59.747 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1037049

Ion Ratio Lower Upper

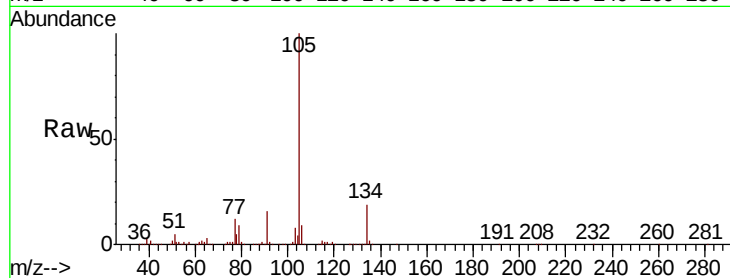
105 100

134 19.6 9.8 29.3

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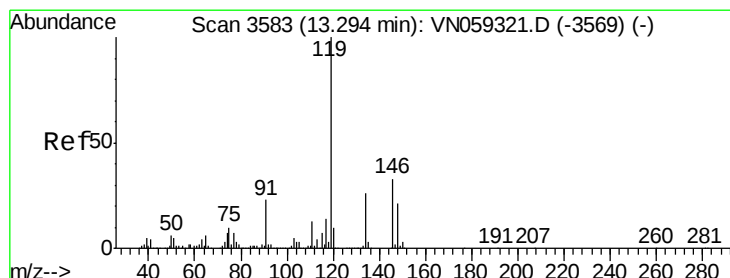
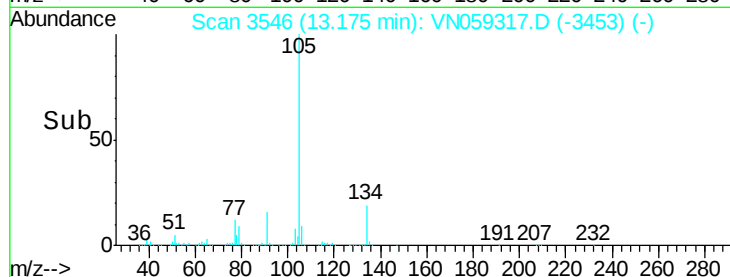
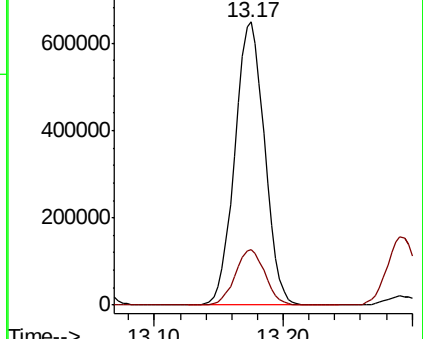
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 61.367 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

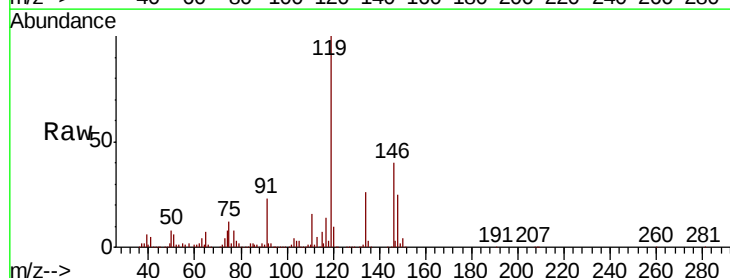
Tgt Ion:119 Resp: 947846

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

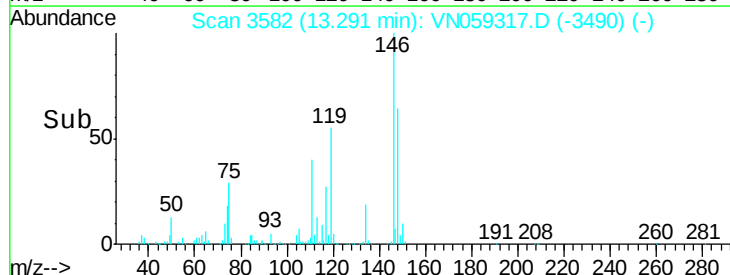
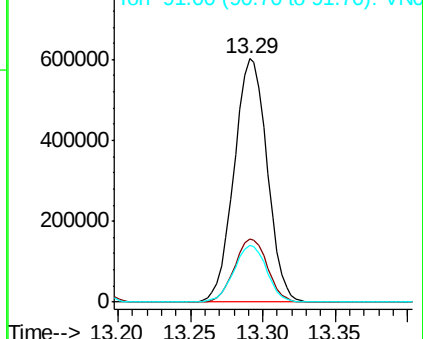
91 23.2 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 57.988 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059317.D

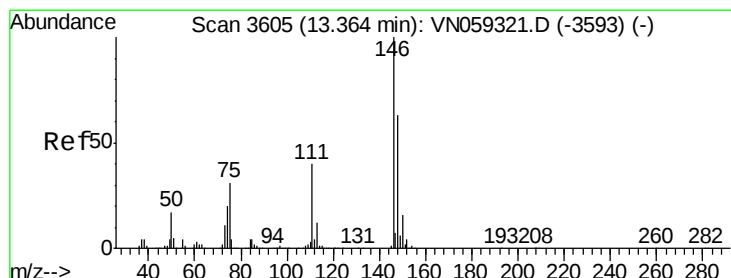
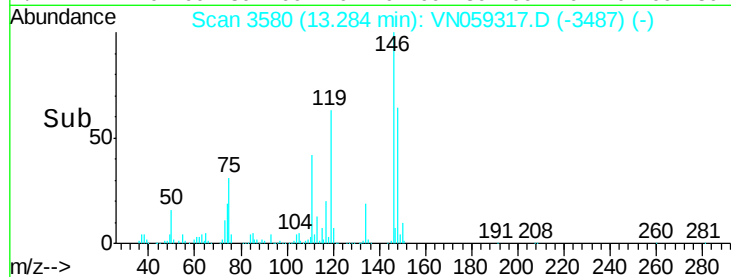
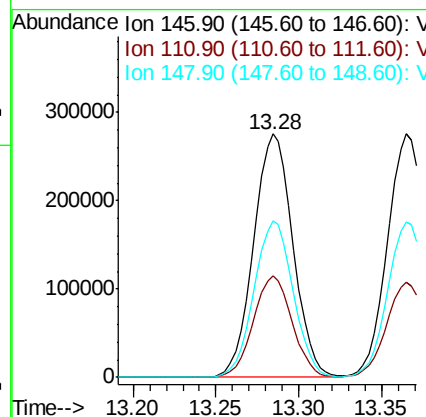
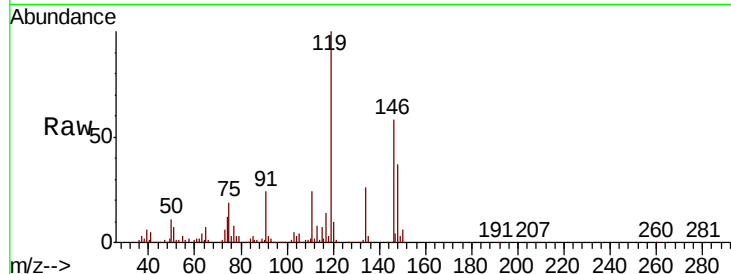
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.6	61.8
148	63.9	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 58.052 ug/l

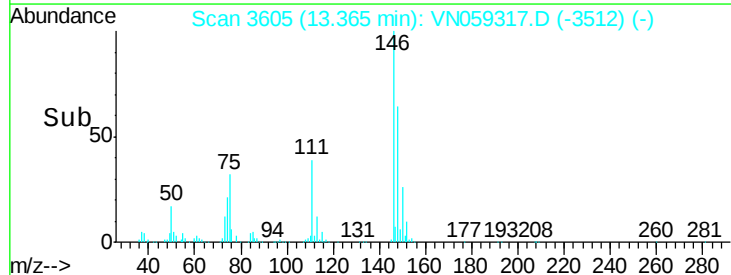
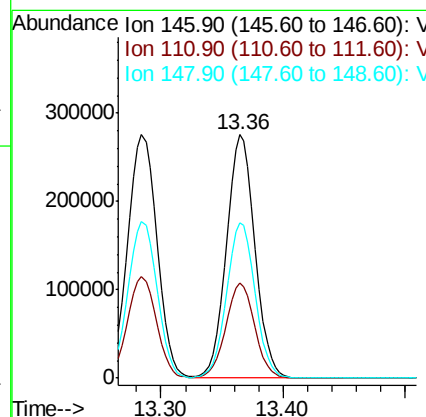
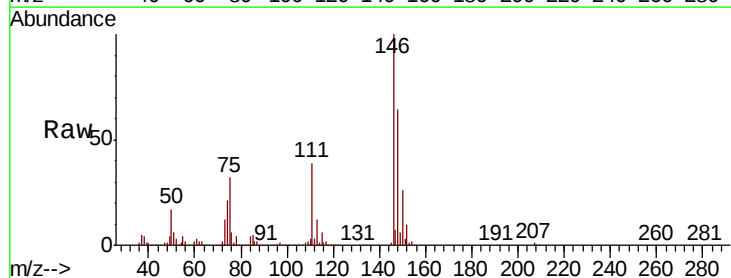
RT: 13.36 min Scan# 3605

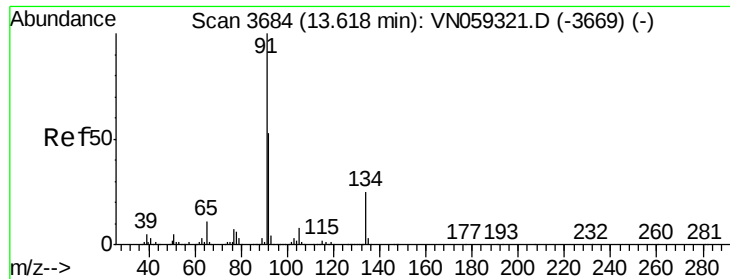
Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.1	60.3
148	64.0	31.7	95.1





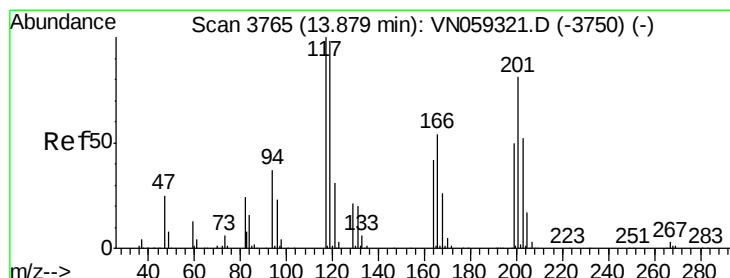
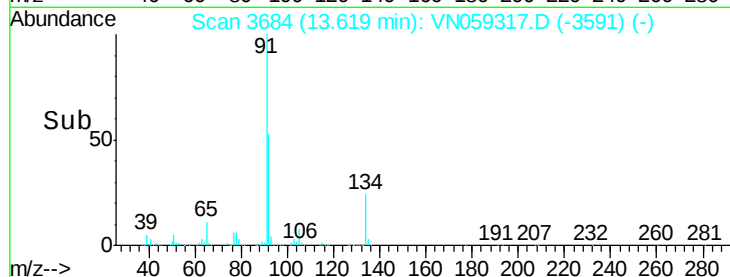
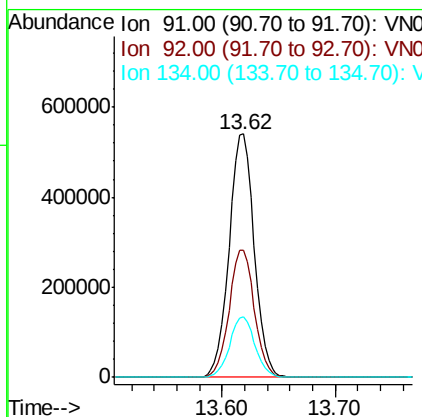
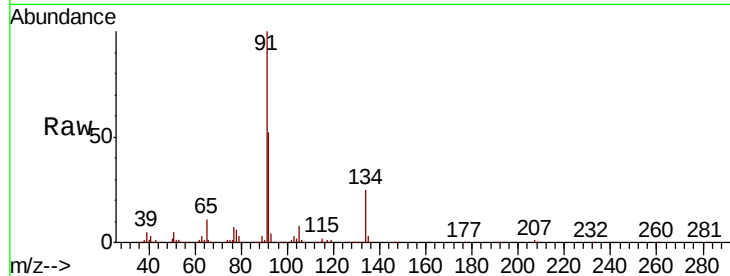
#89
n-Butylbenzene
Concen: 61.553 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.0	78.0
134	24.9	12.7	38.1

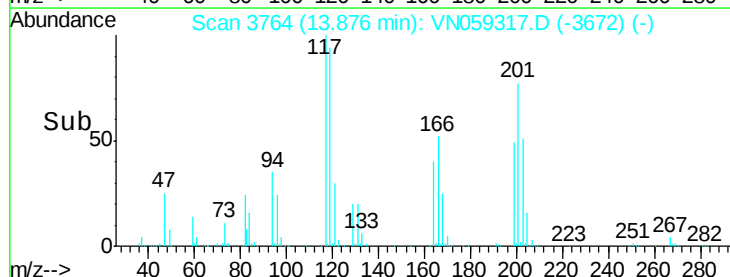
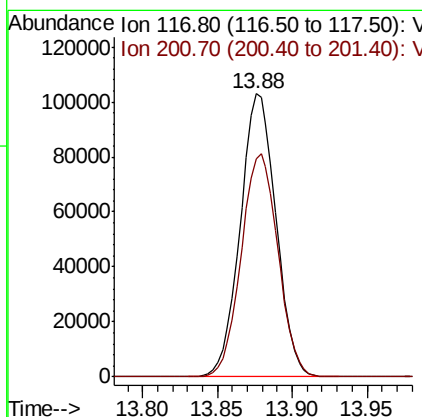
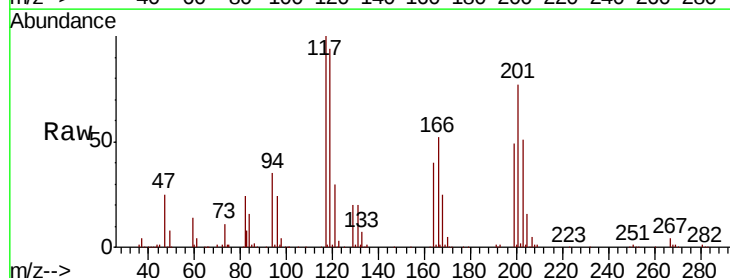
Manual Integrations
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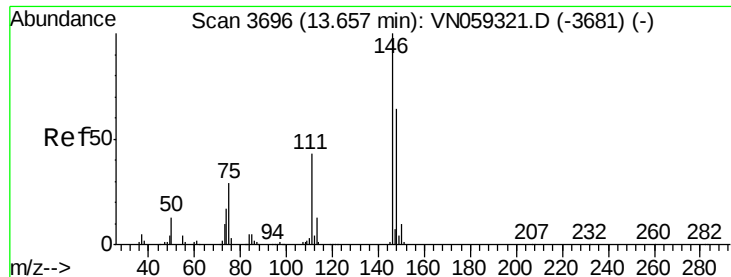
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#90
Hexachloroethane
Concen: 58.573 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	40.4	121.2





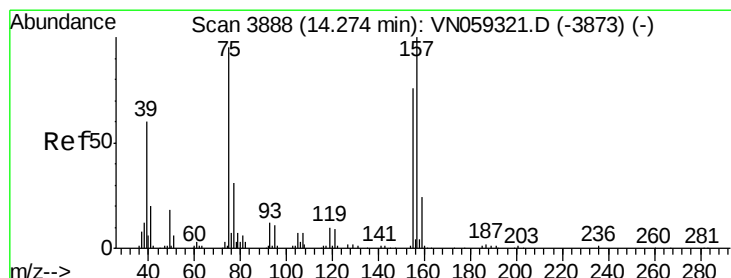
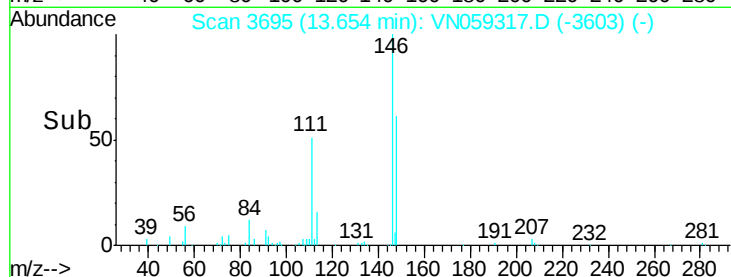
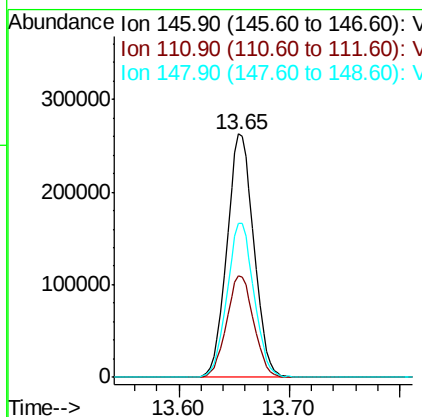
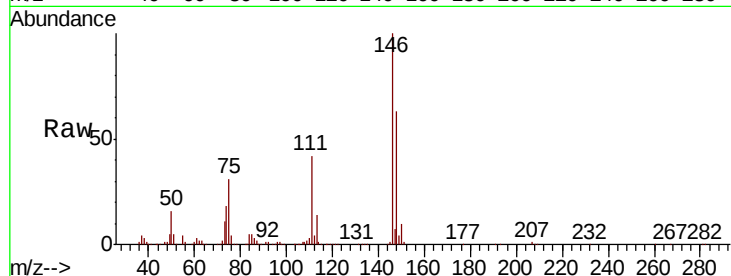
#91
 1,2-Dichlorobenzene
 Concen: 58.345 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	64.0
148	63.7	31.9	95.5

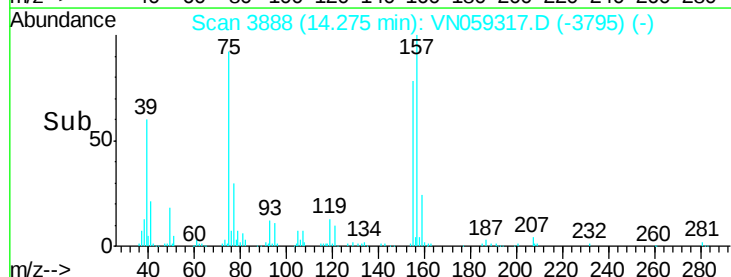
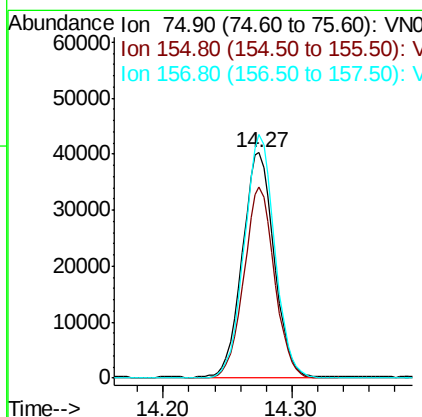
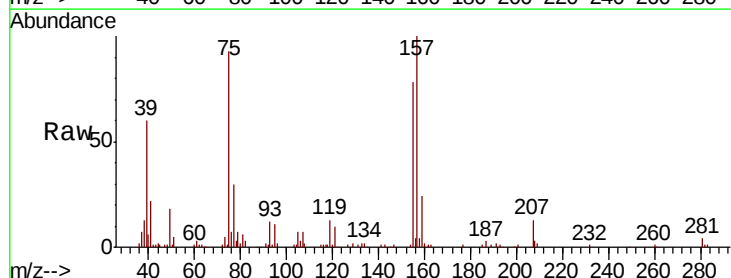
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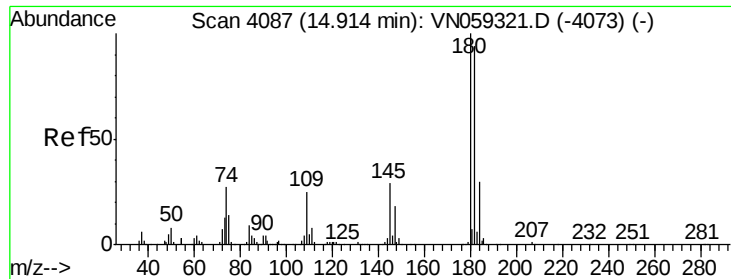
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.744 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	40.5	121.5
157	104.0	52.7	158.1





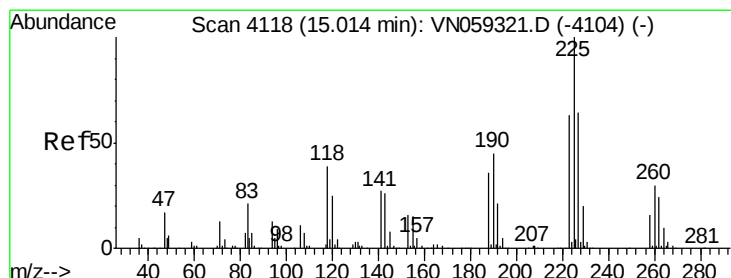
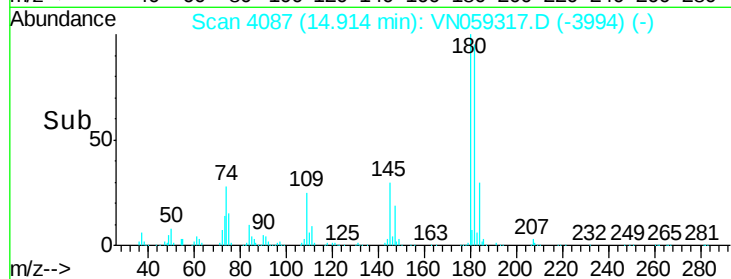
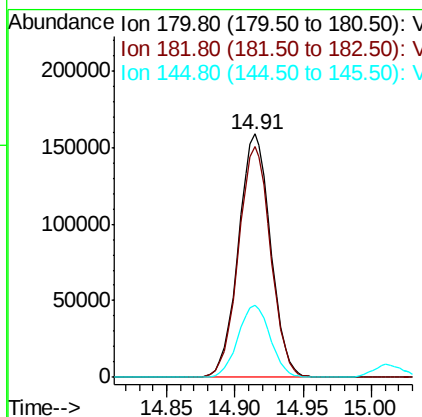
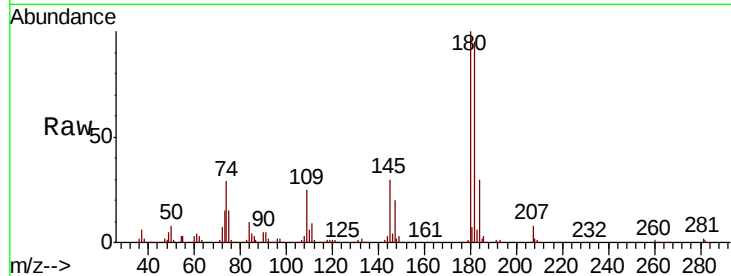
#93
 1,2,4-Trichlorobenzene
 Concen: 54.519 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	259100		
182	95.0	47.2	141.6	
145	29.8	14.9	44.5	

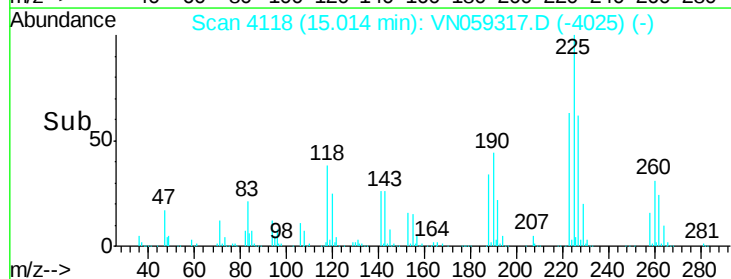
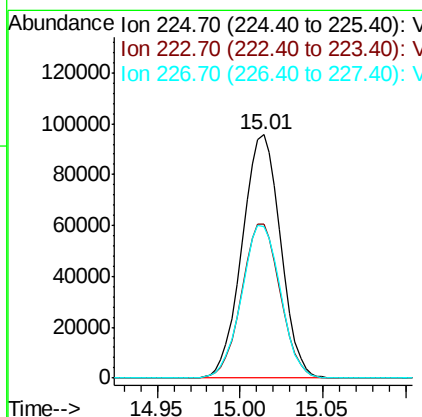
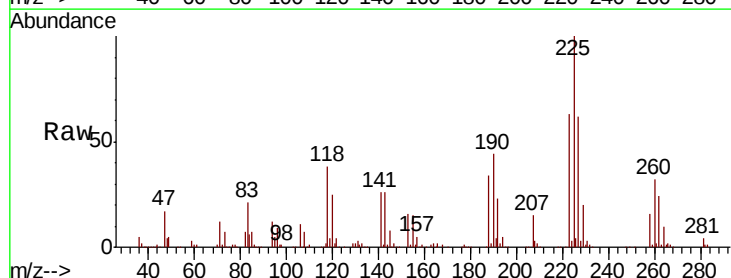
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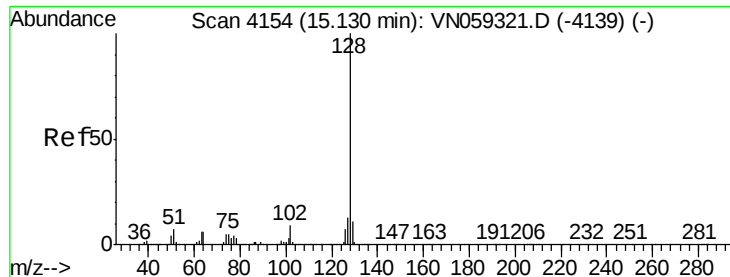
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#94
 Hexachlorobutadiene
 Concen: 56.508 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	154763		
223	63.6	31.6	94.8	
227	63.4	32.6	97.7	





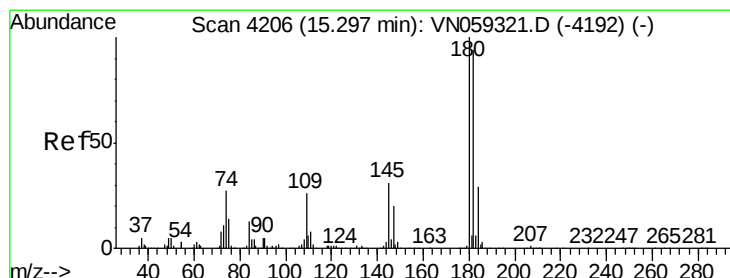
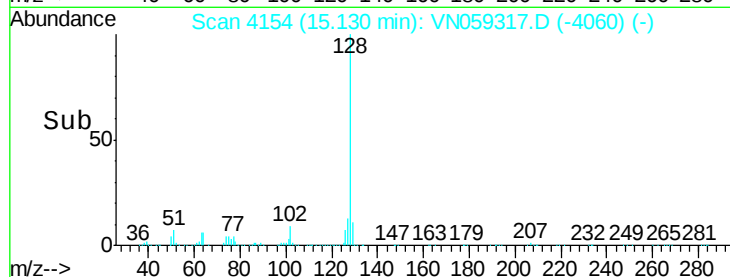
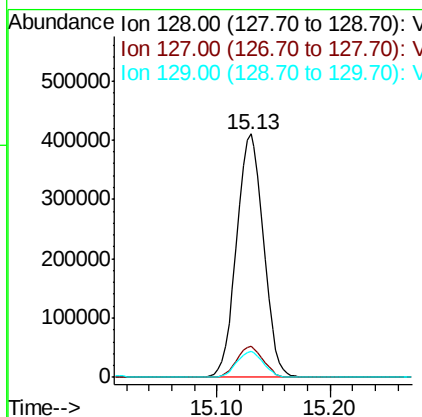
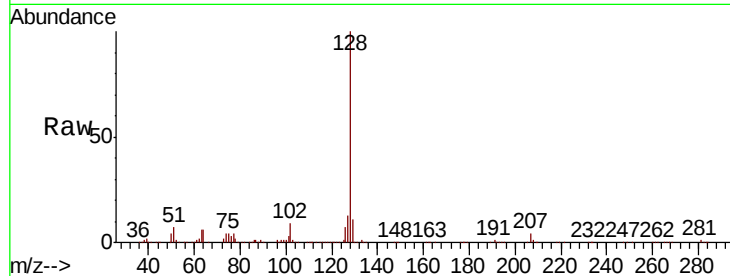
#95
Naphthalene
Concen: 51.929 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.6	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.628 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.1	141.4
145	31.5	15.6	46.8

